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THE FOCAL SPOT

CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS

SCIENTIA ET MORES

JOURNAL OF THE CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS

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EDMONTON SECTION

The September meeting of the Edmonton Section was held at the Miserecordia Hospital on September 6th, with a fair attendance. Mr. Bill White, last year's President, turned his duties over to our new President, Miss Henrietta Henderek. Miss Evelyn Slipchuk was elected Student Representative for the second year class. Miss Helen Bolte will represent the first year.

It was announced at the meeting that the American X-Ray Society had accepted Dr. Mallett's "Handbook of Anatomy and Physiology" as a national text for use of student technicians. Mr. George Hall spoke on Parliamentary Procedure in conducting meetings. Dr. Mallett, Guest Speaker, gave an excellent talk on Ethics and Patient-Technician Relationship. A delicious lunch was served by the technicians of the Royal Alexandra Hospital.

In spite of the rain, there was a surprisingly good attendance of technicians at the October meeting held in the Cancer Clinic. We were all pleased to hear that Dr. Mallett's "Technician's Pledge" was accepted by the C.S.R.T.

The banquet committee reported that the Annual Graduation Banquet and Dance of the E.S.R.T. will be held at the MacDonald Hotel on November 26th.

Dr. Dick, of the Cancer Clinic, spoke on the procedures which a patient undergoes from the time he enters the Clinic to the time the treatment is completed. We were then taken on a very interesting tour of the Clinic led by Dr. Dick. Dave Gardner of Picker X-Ray was on hand to demonstrate the equipment. Of special interest was the Cobalt Therapy Unit. A lunch replete with home-cooked goodies and steaming hot coffee, served by the technicians of the Clinic, ended a most pleasant evening.

Miss Doris Romaniuk and Miss Ruby Kassian have returned from the Dominion Convention and are still recuperating from the evening sessions.

We are sorry to hear that Dr. Copestake, radiologist at the University Hospital, will be leaving shortly for England. The second year students will particularly miss Dr. Copestake as he has been kind enough to give lectures in Radiography. Our best wishes go with Dr. Copestake and his family.

Miss Claudette Lamarre, a recent graduate of the General Hospital, has taken up duties at the Royal Columbian Hospital in New Westminster.

Our newly elected Secretary-Treasurer, Miss Olga Pilip, is leaving for Whitehorse, Yukon, at the end of October to accept a position at the Whitehorse General; a cold spot, but we're told full of adventure!

During the summer holidays Miss Eleanor Baxstrom joined matrimonial life when she became Mrs. Thompson, and Miss Mary Hersey followed her footsteps this fall and is now Mrs. Androchuk. Looks like Cupid and Radiography mix.

We'll see you in the next issue.

—JAMES OHNYSTY, Student Technician, Sub-Editor.

CALGARY SECTION

Prior to the holiday season the Calgary members and their friends spent a most enjoyable evening at a barbecue in the heart of the ranching country west of the city. Fishing, riding, a hearty meal and a campfire rounded out a perfect evening.

Our first meeting of the Fall season was held at the Colonel Belcher Hospital on September 20th. Miss E. R. Shortt, who had recently returned from Montreal, gave a most interesting delegate's report of the 1955 Annual Meeting. Following this report, plans were made

(*Continued on page* 170)

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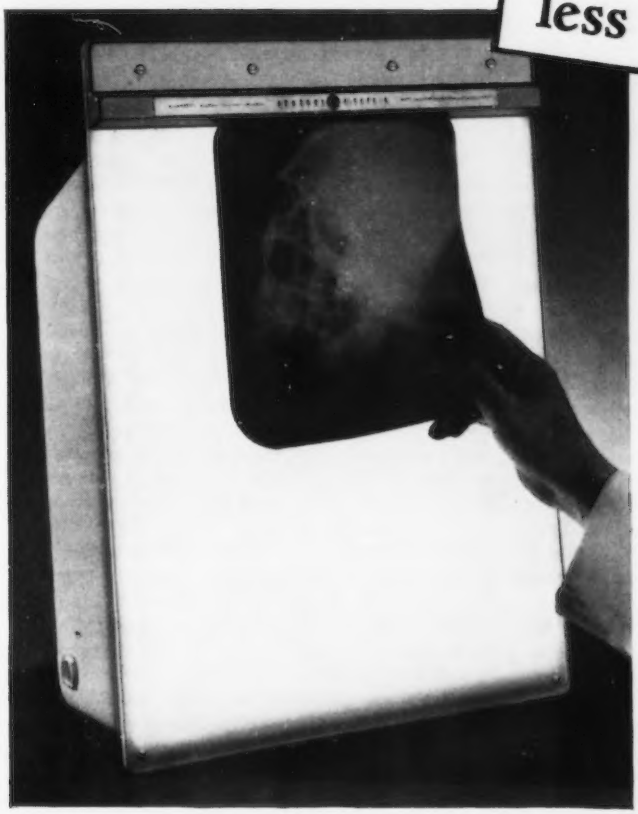

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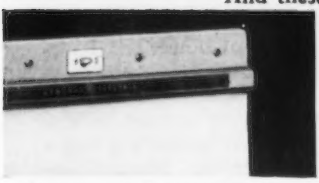

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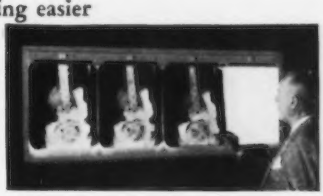

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VANCOUVER BRANCH

The first meeting of the Vancouver Branch took place on October 13th. Miss Macbean was in the chair and conducted the meeting in her usual efficient manner. The attendance was not all that could be hoped for, but as it was the first meeting we consider that it was not too bad. It was hoped to have a guest speaker but at the last moment he was unable to attend the meeting. The meeting dealt mostly with business and a very detailed and descriptive report on the Annual Meeting was given by our new President, Mr. S. Mel Smith. Mr. Smith was the recipient of many congratulations from his fellow members in the B.C. Division. Mrs. Hood also received congratulations on her reappointment as Secretary-Treasurer. Many methods to collect funds for the Annual Convention in 1956 are going ahead, and at this meeting we held a small raffle which was won by Mrs. Treptau.

A special meeting was held for the student members, particularly those who are writing their R.T. Exams. This meeting took place on the 19th and we had the pleasure of hearing Dr. Batho of the B.C. Cancer Institute outlining the problems relating to X-Ray Physics. Eleven students were in attendance and everyone got a great deal of valuable information in the two and a half hour meeting. Miss Donna Brumpton introduced Dr. Batho and Mr. Stirling extended thanks to the doctor for his kindness in granting us the privilege of hearing his words of wisdom.

A Rummage Sale was held on Saturday, October 22nd, by the Vancouver Branch to help swell our funds and help finance the 1956 C.S.R.T. Convention. The man in charge of affairs was Mr. S. Mel Smith and he certainly did a fine job. He was ably assisted by a number of members of the Branch and over a hundred dollars was realized at the end of the sale. Another one will be held after the end of the year and it would be much appreciated if our members would give this event more support than the one just held.

VICTORIA BRANCH

Victoria Branch is having a very busy time of it these days. As it will be the scene of the 1956 C.S.R.T. Convention all members are working hard to make this one of the best meetings ever held. At least Victoria is well placed and has much to offer to the many visitors expected. Like Vancouver Branch, Victoria is also energetically pursuing the elusive dollar and formulating events with a view to raising money. On November 8th the Victoria Theatre Guild is putting on a show called "Two Dozen Roses" and the proceeds will go to the Victoria Branch after the necessary expenses are paid. It is hoped that all members will get behind this event and make it a great success. Victoria Branch is very proud that Miss Paterson's amusing article was published in *The Focal Spot*. This should act as a spur to other members to break out into a rash of writing.

With both branches working diligently to make the 1956 meeting a success it would appear that it should be a bang-up affair. In order to make that come true it will require the best efforts of all members and you are all requested to rally around the raffles, rummages, and other money-making projects and schemes. Don't use your own money—get your friends to spend.

Best wishes to all students who will be writing the examination on November 2nd.

Vancouver Branch Annual Dinner and Dance will be held at the Orchid Hall on Fourth Avenue on Saturday, December 9th. Our successful candidates will be honored at this affair and we expect that we will have a bigger crowd than last year. We would like to extend an invitation to our Radiologists to come to this party and have a good time with us.

So many personal events to report that we have not room for them at this time.

—W. Q. STIRLING, R.T.,
Sub-Editor.

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NEW BRUNSWICK SOCIETY OF X-RAY TECHNICIANS

A highly successful meeting of the New Brunswick Society of X-Ray Technicians was held at the Victoria Public Hospital, Fredericton, N.B., on Saturday evening, September 24th, 1955. The members of the Society were the joint guests of the Hospital and the Polio Clinic and Health Centre.

Dr. A. F. Torrie welcomed the technicians from all parts of the Province to the Centre, and then conducted an excellent bed-side lecture tour dealing with the various types of cases being treated there. The patients appeared to enjoy the tour as much as the visitors.

After a vote of thanks to Dr. Torrie and to Miss Burchill, who assisted him with the tour, the Business Meeting was held in the Polio Clinic, by the kind permission of Dr. J. A. M. Bell, Director, with the President, Miss Thelma Amos, in the chair.

Miss Amos and Sister deLellis gave their reports on the Anual C.S.R.T. Convention. These reports were of interest to us who were unable to attend.

Gevaert Awards Presented

The report from the Judges of the Gevaert Award Committee was given. Mr. Rex Radford and Miss Margaret Pringle, both of the Victoria Public Hospital, Fredericton, were awarded Silver Medals for the best papers given by Registered Technicians. A Bronze Medal was awarded to Sister Marina and Miss Clare Hutchison, of the St. Joseph's Hospital, Saint John, for the best film exhibit.

A letter was read from Dr. Petrie recommending that next year an effort be made to publish rules and regulations pertaining to the Gevaert Awards in detail in *The Focal Spot.*

A further discussion took place regarding salaries and a basic wage scale was proposed at the general meeting to be submitted to the Committee on Salaries.

It was also decided at the meeting that Darrell Liston be approached to contact the Maine Society to see if they would be interested in a joint meeting.

We were sorry to receive a letter of resignation from Miss Shirley Ingraham, Secretary of the Society. Miss Ingraham has just recently accepted a position at the Ottawa Civic Hospital. She expressed her regret in having been able to serve the Society for so short a term. Miss Margaret Pringle will succeed Miss Ingraham as Secretary.

A letter of thanks was read from Dr. A. M. Edington, thanking the Society for flowers received during his recent illness. We are all pleased that Dr. Edington and his family have recovered from their unfortunate accident.

Miss Thelma Amos extended an invitation to the Society to hold the next regular meeting at the St. Joseph's Hospital in January.

At the close of the meeting lunch was served by the Fredericton Technicians.

Mrs. Ruth Logan, Mrs. Marjorie Sullivan, Miss Noreen Shillington went to Arnprior, Ontario, for a week, to attend the course for Civil Defence.

One of the most active members of the N.B.S.X.T., Miss Clare Marie McGrath, is now Mrs. F. Gormley and has moved with her new daughter to Labrador.

Sister M. deLellis and four Junior Students from the St. Joseph's Hospital, Saint John, N.B., attended the annual meeting of the A.S.X.T. held this year in Boston.

The X-Ray Staff of the Victoria Public Hospital, Fredericton, held a weiner roast at the home of Mary Gilbert on the evening of Sept. 28th in honor of Shirley Ingraham, prior to her departure for Ottawa.

Miss Dorothy-Lou Jones, R.T., recently of Montreal, has joined the X-Ray Staff of the Victoria Public Hospital. We are happy to welcome Miss Jones to Fredericton.

—E. M. CURRIE, R.T.,
Sub-Editor.

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NEWFOUNDLAND DIVISION
C.S.R.T.

FOURTH ANNUAL MEETING

The Newfoundland Division of the C.S.R.T. held its Fourth Annual Meeting on September 15th, 16th and 17th, 1955, at the Sanatorium, St. John's.

Mr. C. Roberts, R.T., President, officially opened the first session with a cordial address of welcome to the technicians and many distinguished guests, among whom were Dr. L. Miller, Deputy Minister of Health; Dr. C. LeGrow, President of the Newfoundland Medical Association; Dr. R. E. Bennett, Superintendent of the Sanatorium; Drs. H. B. Murphy, W. J. Higgins and E. A. MacLoughlin, Radiologists, and the administrators of the various city hospitals.

Short addresses were given by Dr. Miller and Dr. LeGrow. Dr. Bennett gave an interesting talk on the History of Radiography in Newfoundland, after which Dr. H. B. Murphy, Chief Radiologist, presented C.S.R.T. Diplomas to the three successful candidates—M. Barrett, R. Belbin and J. Hearn, and in doing so expressed his satisfaction over the 100% success in the R.T. Examinations, which were held in May, 1955, for the first time in this Province.

The technicians and guests then assembled in the Hospital Dining Room, where they were welcomed by Dr. R. E. Bennett, Superintendent, and Miss E. Wells, Matron. A delicious luncheon followed, with a menu ranging from Kilovoltage Turkey to Stray Radiation Mints.

The following is the programme of the three day meeting:

Thursday, September 15th, 1955
Morning Session

Registration.
Opening Session.
Greetings (1) Dr. C. LeGrow, President, Nfld. Medical Association.
(2) Dr. L. Miller, Deputy Minister of Health.
(3) Dr. R. Bennett, Superintendent of Sanatorium.
(4) Presentation of Diplomas by Dr. H. B. Murphy.
Luncheon at Sanatorium.

Afternoon Session
Chairman—Miss A. Rendell, R.T.

The Servicing of X-Ray Machines—Mr. E. Cornick of Heap & Partners.
X-Ray Protection—Miss M. Barrett, R.T.
A Study of the Facial Bones—Mr. J. Hearn, R.T.
Delegate's Report of the Dominion Convention in Montreal—Miss E. Shute, R.T.
Technical Movie, "Cholangiography."

Friday, September 16th, 1955
Morning Session
Chairman—Miss E. Baker, R.T.

Body Section Radiography—Miss E. Shute, R.T.
Gall Bladder—Mr. C. Roberts, R.T.
General Discussion.
Luncheon—Courtesy of C. R. Bell Ltd., Picker Representatives in Newfoundland.

Afternoon Session

Scientific Movie with Commentary—Mr. R. Tooton of Kodak Ltd.
Zeroradiography, a review of a paper written by Mr. E. W. White, R.T., of Albany, N.Y.
Radiography of the Ear—
Dr. E. A. MacLoughlin.
Visit to Fort Pepperrell Base Hospital.

Saturday, September 17th, 1955
Morning Session
Chairman—Mr. W. Barnes, R.T.

A New Position in Skull Radiography for Un-Co-operative Patients—Mr. W. Barnes, R.T.
Ventriculography—Mr. A. Noseworthy, R.T.
Business Session—
(1) Annual Report.
(2) Election of Officers.

The election of Officers resulted as follows: President, Mr. R. Young, R.T.; Vice-President, Mr. J. Hearn, R.T.; Secretary, Miss E. Shute (re-elected); Assistant Secretary, Miss M. Barrett. R.T.

The annual Picker Award for the best paper presented was won by Mr. J. Hearn, R.T. The presentation of the Kodak Award was deferred to a later date, with the hope that more films will be exhibited.

This year the one hundred dollars donated by Mr. T. S. A. Freeman of Heap and Partners was used to defray expenses of our Provincial Delegate to the C.S.R.T. Convention in Montreal.

A visit to the new Hospital Ship, "Gil Eannes," brought the Annual Meeting to a successful close.

—ELIZABETH BAKER, R.T.,
Sub-Editor.

ONTARIO SOCIETY OF RADIOGRAPHERS

WESTERN SECTION

The Western Section held a meeting on November 11th, 1955, at Victoria Hospital, London, Ontario, with 40 members in attendance.

The Chairman, Mr. Don Anderson, opened the meeting with a speech of welcome and this was followed by a very interesting film about life in Victoria Hospital, in which we were taken on a tour of the many new departments of the hospital, and saw them in action.

Dr. Ritchie Thursfield, Radiologist at Victoria Hospital, then gave a very informative lecture on Pelvimetry and Placenta Site Localization. He explained it as performed at Victoria Hospital and demonstrated by means of excellent films and slides.

This was followed by the business meeting. New elections were held, and Mr. Tom Patry, R.T., was elected Chairman to succeed Mr. Don Anderson. Miss Adeline Escaf was re-elected Secretary of the Western Section.

The meeting was then turned over to Mr. Art King, R.T., General Chairman of the O.S.R. Convention to be held in London, Ont., in May, 1956. Plans were made and various committees were formed.

A general discussion followed, concerning the need for a permanent, salaried secretary for the Ontario Society. It was unanimously agreed by the members that a letter be sent to the general secretary to inform her that we are 100% in favour of an executive secretary.

The proposed manner of obtaining a Fellowship in the O.S.R. was then discussed and the conditions were explained to the members by Mr. King.

The next Western Sectional Meeting was set for January 6th, 1956, at St. Joseph's Hospital, London, Ont. —ADELINE ESCAF, R.T.,
Secretary, Western Section.

SASKATCHEWAN DIVISION C.S.R.T.

The opening meeting of the Saskatoon Branch of the Saskatchewan Division of the C.S.R.T. was held at St. Paul's Hospital on September 14th, 1955. The new executive was elected with Mr. Wilfred Hildebrand taking over the office of chairman. Miss Beverley Willsie was elected Secretary and the following were elected to the programme committee: Miss H. Helem, Miss M. Perron, Mr. William Attridge, Mr. A. Wansiak, and Mr. Pat Maloney.

Following the elections, a general meeting took place. Plans were discussed with regard to the type of meetings to be held. It was hoped that they would be planned so the class of students attending would reap very valuable information from them. This being our main interest, took up the remainder of the meeting and at closing it was felt a great deal had been accomplished.

Our second meeting was held at the University Hospital on October 12th, 1955, and an excellent attendance started it off with a bang.

Mr. Pat Maloney gave a lecture on "The Fundamentals of Planigraphy" with a varied assortment of films to substantiate them and show the students the finished product.

Mr. W. Landers, our staff medical photographer, showed coloured slides on war surgery taken in the Korean theatre of war. He also showed a film on "The Surgical Approach to the Knee" by the kind permission of Dr. Nanson.

The November meeting was held at City Hospital on November 9th, 1955, with a fairly good attendance.

The guest speakers were unable to come, but the committee came through with two interesting speakers. Mr. William Attridge gave a talk on Radiation Fall-out. Mr. Fusedale, our civil defence leader in Saskatoon, gave us a repeat talk on Civil Defence and Atomic Radiation Effects. A short discussion took place over a delicious lunch. It was decided that our next meeting would be held on December 14th, 1955.

I would like to take this opportunity to welcome the first University class of x-ray students in Saskatchewan, of which there are twenty-nine. For the first three months their time is mainly spent in theory. At the end of this time, they return to their sponsoring hospitals for the remainder of their two years.

Provincial Welcome—

Mr. Edward Bailey of Winnipeg to Regina Grey Nuns' Hospital staff, and Miss Hannah MacBeath of Winnipeg and Banff to University Hospital.

Provincial Changes—

Mr. C. Johnson, D.V.A. Hospital, Mr. A. Bloudoff, Grey Nuns' Hospital, Regina, and Mr. Dave Silversides, Medical Art Clinic, Regina, have taken up positions on staff at University Hospital. —C. B. JOHNSON, R.T.,
Sub-Editor.

NOVA SCOTIA DIVISION C.S.R.T.

Due to many September vacations, the Halifax technicians held their first Fall meeting on October 12th. A fair number of members were present to hear a report of the C.S.R.T. Meeting in Montreal, summarized by Mr. Hammond and Lieutenant Noel. Nominations were made for our Halifax Society officers, elections to be held at the next meeting, November 9th, at Victoria General Hospital. Formerly the provincial division officers had also the chairmanship and other duties in the local society where they resided; however, the Halifax-Dartmouth group has now attained a size that warrants having its own local executive: chairman, secretary-treasurer, and programme and social convenor. This, we hope, will distribute the work load more fairly and serve to enliven the activities with greater participation by the members. The new secretary-treasurer will have the added duties of finance chairman, for that bank account so blithely mentioned in the last issue, turns out to contain just enough to finance two or three rounds of postage on local notices.

We received news of the recent death of Mr. Frederick Melville, Secretary of the British Society of Radiographers, and decided to send a cablegram expressing condolence from the N.S. Division, to Mrs. Melville.

Among the newcomers to our group are several new student technicians, and Mr. Ross, M.S.R., from Scotland, who has joined the staff at V.G.H.

There were also some departures. Miss Marion Robertson has left Halifax Infimary to accept a position in Cambridge, New York. Miss Marion Morton, R.T. (V.G.H.), was married on August 13th to Mr. Graeme Cheney. She is now in the x-ray department at Pittsburgh Mercy Hospital while her husband is doing scholarship work at University of Pittsburgh, Pennsylvania. We wish them every happiness.

Congratulations have been in the air for Dr. and Mrs. C. M. Jones on the birth of a daughter (Carolyn) in September and to Dr. and Mrs. Ian M. MacLeod on the birth of a daughter (Sandra Jean) in October. Stork thoughtfully brought them to Halifax Infirmary where their proud papas do Radiology.

More news next issue, when we shall have many group activities to report.

—JEAN UNDERWOOD, R.T.,
Sub-Editor.

(*ALT.—Continued from page* 162)

for the season's activities, with particular attention to the new series of student lectures. We are again most fortunate in having the services of the excellent group of lecturers who have been responsible for our teaching programme this past four years.

We were very sorry to hear of the recent illness of our good friend Cec. Bridgeman. He is now home from hospital and improving daily. Our best wishes for a speedy recovery, Cec.

At our October meeting we were honored with a very interesting paper on diagnostic and radiographic problems of the chest by Dr. L. M. Mullen, Medical Superintendent of the Baker Memorial Sanatorium.

Following the business meeting coffee was served by the members from the General Hospital.

Our next meeting will be held on November 15th at the Colonel Belcher Hospital.

To our students who will be writing the November examinations, we wish you every success.

—PHILIPPA BOESE, R.T.,
SubEditor.

PROTECTION PAPERS DEADLINE DECEMBER 15th

The middle of December is the final deadline for Protection Papers for competition for prizes offered by the Examining Board. (See F.S. Issue 44, p. 192, and correction in Issue 45, p. 47.) Send papers to L. J. Cartwright, 555 University Avenue, Toronto, not later than December 15th.

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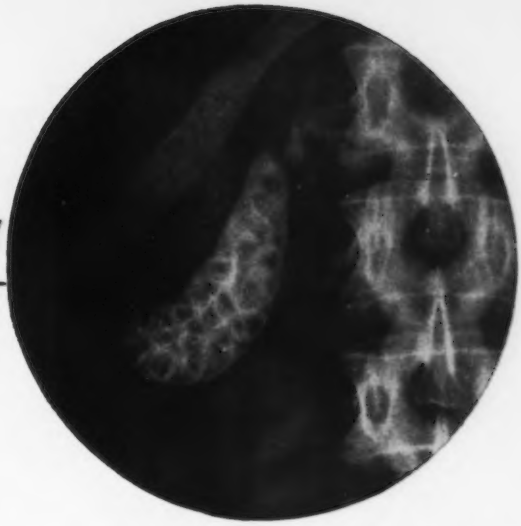

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LESLIE J. CARTWRIGHT, R.T.
EDITOR

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The Focal Spot

Journal of the Canadian Society of Radiological Technicians

LESLIE J. CARTWRIGHT, R.T.
EDITOR

Volume 12 TORONTO 1955 NO. 4 *Issue No. 48*

The Challenge of Veterinary Radiology

By E. J. BISHOP, R.T.
Ontario Veterinary College, Guelph, Ont.

TWO main factors have stimulated the growth of Veterinary Radiology during the past few years. The development of antibiotics to their present state of efficiency and the mass production of antibiotics so that their use is economically possible has meant that many surgical procedures can now be carried out on animal patients which at one time were impossible because of post operative infection. One has to remember that an animal cannot be confined to bed for a period of days or weeks after surgery. When an animal recovers from an anaesthetic, it must be able to resume a very nearly normal existence. It may chew at a cast or bandage, scratch and bite at any sutures it can reach and writhe, roll and stretch exerting maximum strain on fracture repairs or other incisions. On top of this it will attempt to roll the incision in any dirt or mud that may be available so that although almost all animal surgery is carried out under the most rigorously controlled antiseptic conditions the surgical sites will shortly be inoculated with a liberal dose of infective material. This situation has meant that while a veterinary surgeon could often carry out surgical repairs the post operative mortality was quite high. A cheap and plentiful supply of antibiotics has now changed all that and if the surgery is feasible the animal has an excellent chance of recovery. These more complicated operations often call for radiology to confirm the diagnosis in the first place and to assess the effectiveness of the surgery subsequently. So, as the scope of veterinary surgery has been extended by antibiotics, veterinary radiology has been asked for more concise and more detailed information.

We might also say that veterinary radiology is now contributing more cases to veterinary surgery. The problem of the veterinary surgeon when presented with an animal is often very delicate. He may suspect a certain condition exists and have a certain amount of evidence to support his suspicions but lack the vital piece of information to point one way or the other. An animal cannot tell him where the pain is, what type of pain it is, when it first started or if its mother had the same trouble. Owners too are sometimes not very helpful. We take so much for granted. The dog went out at breakfast time so we assume his bowels moved. He greets us when we come home at night so we assume he is fit. Many of you here must have pets. What could you tell a veterinarian if your pet became seriously ill this evening? I sincerely hope he won't but it may help you to appreciate what the animal doctor is up against. A few years ago he could suggest conservative treatment and hope, or suggest an exploratory laparotomy and hope the animal

Presented at the 13th C.S.R.T. Convention, Montreal. Sept., 1955.

would not succumb to infection. Now in many instances radiology can confirm or disprove a presumptive diagnosis and indications for surgery can be rapidly recognized and proceeded with. Diaphragmatic hernia and pyloric stenosis are perhaps two of the more critical conditions that need prompt surgery for good results. The details and extent of a bone injury are also of great importance in deciding the type of fixation most suitable. This information is very difficult to obtain by palpation alone. The veterinarian can discover that there is a fracture of the lower third of the right humerus but to discover if there are any fragments or if the joint is involved an x-ray film is necessary. Radiology is therefore, in many cases replacing the exploratory operation as an aid to diagnosis while indicating the desirability for surgery in what would otherwise be doubtful circumstances.

The other main factor is possibly a natural sequel to the first. Our teaching schools and colleges are the places where such research and experimental work is carried out. The students passing through these institutions observe and are taught with the aid of x-ray films and demonstrations, and the present generation of veterinary students are becoming aware that to give their patients the best treatment and their owners the best prognosis radiology is essential.

We, therefore, have these two factors operating to stimulate the development of better technique and more comprehensive x-ray coverage and to enlarge the number of veterinary x-ray users. You may not be aware of the amount of orthopedic surgery which is carried out routinely now on cats and dogs and to a lesser degree on the larger animals. Bone pinning, bone grafting, bone plating, application of Ehmer Kirschner external splints and prosthetic femoral heads are now routine procedures; with x-rays confirming the original diagnosis and demonstrating the progress of the repair. Many basic principles that tend to be forgotten in routine work re-impress us with their importance in experimental or developmental work—one is that there is a reason behind requests for radiological services even though the reason is sometimes very hard to discover. The reason we take radiographs is not that certain gentlemen find it easier to fill in the x-ray request forms than to carry out an adequate clinical examination but to confirm or disprove diagnosis and to contribute to the patient's rapid and complete recovery. Perhaps the veterinary field is the only one in which a vague or blank request form is justified. Sometimes it is just not possible to get an animal to evince pain when it is examined yet it is obviously ill. The owner is vague and often very distressed, and the X-Ray Department is about the only source of information.

To play our part in the medical team it is essential to provide films as near as possible to the ideal position. In the veterinary field we are still developing these positions. This is where the lazy man comes into his own because very often the films which are taken with the simplest methods of restraint and support are superior. We realize the importance of providing adequate coverage of adjacent joints and structures and also of a series of films being nearly identical in quality so that early callus formation or other changes may be recognized. Many of our films will be utilized by busy practitioners who graduated before radiology was given much more than a passing reference and to be of use to them we try to achieve very high quality.

In the field of bone pathology we discover a relatively high incidence of osteogenic sarcomas; arthritis is quite common, especially in hunting and working dogs, and inflammatory bone conditions constitute a large number of lamenesses in horses and cattle. Not very long ago I heard our Professor of large animal surgery say that the only way to differentiate between certain forms of foot lameness was by x-ray films.

Spinal compression is a constant problem. Posterior paralysis in dogs is quite common. So far we have failed to provide any conclusive evidence as to when a calcified disc is the cause and when a purely incidental finding. We hope to eventually develop a satisfactory technique for myelography but so far have met with little success.

Congenital anomalies occur in many breeds, those of the spine and hips giving us most cause for concern. We have now developed standard positions which permit the clinicians to estimate the degree of luxation of hips in order to reach a satisfactory prognosis.

So much for bones—Accident cases were the only ones submitted for x-ray examination a few years ago and still form the majority of our patients. We are receiving increasing demands, however, for information of soft tissues. Examinations to confirm pregnancy are fairly frequent. The film usually presents a rather bizarre picture, ten or twelve pups being quite common with some breeds. We have recently examined a number of large sows for retained foeti. These, often very large, pigs have a habit of farrowing three or four piglets and then lying down on the job. Foetal death and serious illness to the sow may follow if nothing is done about this situation. On the other hand if the pig only had three piglets anyway, it is undesirable to carry out a cesarean section to deliver what is not there. We have usually assumed that these sows were too much to handle but one lady with beautiful manners who had been trained for the show ring changed our mind. Putting our tilting table upright we managed to get the sow against it; then with high-speed screens and a Bucky we managed to show that she had at least four piglets remaining—six piglets were later delivered by cesarean section and mother and children are doing well. Our next three ladies have not been so well behaved and we are now designing a crate with sliding side panels and suitable restraining devices to enable us to squeeze them against the table and move them as we wish. Six hundred pounds of pig when it decides to wander can be quite a handful. These pigs so far have been from 37 to 43 cms. in thickness.

Soft tissue work in smaller animals is steadily increasing. One of our most pressing requests was to provide information on the urinary system of dogs. Early attempts to demonstrate the organs in the G.U. tract left much to be desired and we decided something should be attempted. After discussions with the Anatomy Department and injecting a large number of kidneys—nearly 100 pairs—with dye, we decided that we needed a higher concentration of dye and that very careful preparation was necessary to obtain good intravenous pyelograms. We also decided that retrograde pyelograms were pretty well impossible to achieve because the ureters and the urethra entered the bladder from the same general direction and it would be very difficult if not impossible to introduce a catheter into the ureters.

Our next problem appeared to be to

obtain more detail of the lung fields and we have now developed a method of bronchography. The lungs of dogs have been compared to that of a conifer as opposed to a deciduous tree for the human lungs, and we experienced considerable difficulty in ensuring complete filling of the apical lobes. We ran into several problems here and found a lack of detailed anatomy of some of the pulmonary structures in the dog. Removing the lungs of dogs who had died of conditions not associated with the chest, however, and inflating them gently gave us much information about general lapout. We also found that by carefully regulating our flow of air we could keep our lungs stationary and using very low KvP (26-28), we took stereo pairs. The cartilage of the bronchi stood out distinctly at this low kilovoltage against the air-filled alveoli and we learned a great deal about where we had to introduce the dye. We now find that by introducing the dye through a piece of polyethylene tubing we can get adequate filling of all lobes. We have been able to demonstrate conclusively several cases of bronchiectasis.

Barium meals and enemas are constantly with us—sometimes all over us. Many early workers employed stomach tubes to introduce the Barium. This we have discontinued and we prefer to use an invalid feeding cup which can be introduced into the corner of an animal's mouth even with a muzzle on. We get very little more mess than one does with human patients.

Gall bladder dyes are used very occasionally as also are dyes for demonstrating the female genital tract. We are at present working out methods of investigating sterility in chinchillas and now have a satisfactory technique.

One of our problems is the lack of information on normals so that when we commence work on a new procedure we usually endeavour to get 30 to 50 normals so that normal variations may be seen and recognized and so that we have this information on file for teaching or reference purposes.

Apart from our own development work in the X-Ray Division we are happy to devise methods of assisting other departments with their research projects. The non-destructive nature of x-ray examination makes it a valuable aid when working on rare specimens. Projects on which we are now co-operating include examination of chinchillas' teeth, horses' sinuses, bulls' testicles, pigs' feet and joints, and the reaction of bone to various stimuli. Our patients and our work are very varied. Sometimes we have parallels in the human field which enable us to make rapid progress. Sometimes we have to go back to basic principles and by experiment and reasoning slowly produce results. We find our work very stimulating and challenging, and often baffling, but when occasionally we have a lucky break it is very satisfying.

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WE are sure to have requests from time to time for copies of interesting radiographs, either for lecture purposes or for future reference by the physician or surgeon concerned . . . And I know you are all aware of the chances of having films returned—to quote those famous last words—"I'm borrowing these films for a few days—I'll let you have them back!"

Of course, some people believe that it is much wiser to not let it be known that one is able to copy films—the demand is liable to become excessive! But solarization is an easy way out.

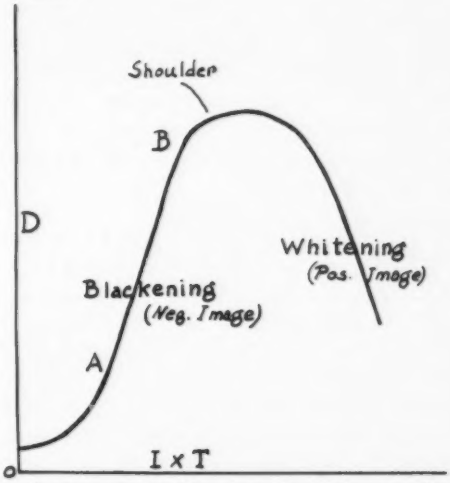
The the ordinary way of copying a film is to first obtain a positive copy of the original, and then to make a further copy from this positive to obtain a duplicate negative.

The greatest advantage of copying by solarization over this method, is that the intermediate stage, that of obtaining a positive, is entirely cut out. By first solarizing the copy film we obtain a negative copy direct from the negative original, thereby simplifying the procedure and saving a great deal of time.

The fact that the copying is done in one stage instead of two also means less loss of detail—something always experienced in film copying.

Now what is solarization? It is also known as the Reversal Effect, and that name fits this phenomenon accurately—when copying it is the changing of what normally would have been a positive image to a negative one. Sometimes we experience the Reversal Effect accidently in normal radiography—usually a history of a partially developed film being exposed to light—a film fault we try to avoid!

But in this instance we wish to bring reversal of the image about by controlled means.



A look at the Characteristic Curve of a film will help to illustrate the effect of reversal.

The ascending portion of the curve between A and B gives the normal density range of a radiograph. At the top of the graph we have maximum lackening. Now if the exposure is continued, it is found that the graph does not become a straight line as we might expect, but begins to curve downwards. It is here that we experience reversal of the image—the blacks become whites, and whites, blacks.

In copying by solarization, we take an unexposed film and give it a sufficient exposure to take it up to the shoulder or top of the graph, so producing maximum blackening.

Presented at 13th C.S.R.T. Convention, Montreal, Sept., 1955.

If a negative original is now placed in front of this solarized film, in a printing frame, and a further exposure to light be given, then the copy produced will also be negative.

Now not all films exhibit the reversal effect satisfactorily—two that certainly do are Ilford Industrial B and Kodak Blue Brand, and it can soon be ascertained whether the film normally used in the department is suitable.

No additional equipment is required than for ordinary film copying—a printing frame, a clock with a second hand, a source of good even illumination (a film viewing box) and the rest is to hand in the department.

METHOD

The film to be solarized is placed in a cassette and given an x-ray exposure of 1,000 M.A.S., 60 K.V., at 36″. The film is now at the top of the curve in the graph. The film to be copied has been placed in the printing frame and the solarized film is now placed behind it (under ordinary dark-room safe-lighting, of course).

The printing frame is now exposed to the light source at a certain distance and for a certain length of time. These two factors can be found by using the first film as a test one. The test film is made by exposing successive strips at 5 second intervals, starting at 20 seconds and going on to 1 minute.

It will be noticed that the longer the exposure, the lighter the film becomes. Any changes in the x-ray exposure to the film whilst in the cassette will need compensation in the time of exposure to the light source when actually copying. Therefore, once a satisfactory set of exposure factors has been found, one should be careful not to vary any one factor.

The film is removed from the frame, under safe-lighting, and developed for three minutes in full-strength developer, with frequent agitation, as one finds that the film will be extremely prone to streaky development. Processing is then completed in the usual way.

The factors used for nearly all our copies are:

Exposure in cassette—1,000 MAS, 60 kv., at 36″.

Exposure to light—40 secs., 10″ from double viewer.

X-ray developer—3 mins., full-strength with good agitation.

If you have never done any copying by solarization, then it's worth having a go for the fun of it.

Book Review

MEDICAL RADIOGRAPHIC TERMINOLOGY. Helen M. Rose, R.T. 108 pages. J. W. Edwards, Inc., 1745 S. State Street, Ann Arbor, Michigan. $2.50.

At last a book has been produced by an x-ray technician for technicians and others in the X-Ray Department, which is a dictionary and concise encyclopedia of terms—both medical and radiological—used in our daily work. Well bound in blue cloth with gold lettering, this book of a little over one hundred pages must have involved a great deal of research on the part of the author.

The first 86 pages contain a dictionary of radiographic and anatomical terms from A to Z, usually with several lines of explanatory material. Short biographies of people whose names are associated with the development of roentgenology are also included. The remaining 20 pages contain tables of great value to the technician, such as: Time of Appearance of Contrast Media in various examinations; technic charts and processing room formulae, plurals and abbreviations, suggestions for preparing technical papers and, last but not least, a table and descriptions of the various "Name" positions which so often confuse the uninitiated. This book should be in every x-ray department for refernce and is definitely a "must" for x-ray students.—L.J.C.

Scatter Matters

By PAUL SEYMOUR, Student X-Ray Technician
Victoria Public Hospital, Fredericton, N.B.

WHENEVER x-rays pass through matter, some part of the primary beam is bound to form scattered radiation, making scatter a potential enemy ready to go into action each time the exposure button is pressed.

The trouble is that because it is so insidious in action its possible effects are too often overlooked.

First let us consider the effects on the film. The deficiencies are in the form of poor contrast and detail. The overlying fog on a radiograph, resulting from scatter, will reduce contrast. By contrast we mean the greater or lesser variation of brightness between two adjacent areas, and it is a well known fact that contrast influences the observer's impression of detail.

Although these two factors are very important, to overlook the next two dangers is almost criminal. As I have already remarked, scattered radiation tends to creep up on one from behind. Few radiographers are so suicidal as to stand in the path of the primary rays, but how many become a little careless and expose themselves to scatter. This picture was made by exposing it only to secondary radiation at four feet distance from the tube whilst radiographing a skull, and this second film was taken by scatter whilst x-raying a lateral lumbar spine using correct technique, at six feet distance from the tube. Lastly, just to drive the point home, this film was exposed to scatter arising in the same circumstances ten feet away from the table, at the control booth—this should be sufficient warning never to poke one's head round the corner of the protecting screen to give instructions to a patient during an exposure. I think you will agree that these radiographs illustrate only too well the need for the radiographer to take advantage of all the devices provided for his or her protection.

Presented at the 13th C.S.R.T. Convention, Montreal, Sept., 1955.

Last, but certainly not least, comes the patient. When a large number of radiographs are required on one patient, scatter arising from the radiation of a greater body volume than necessary may sway the balance from a dosage within safety limits to one of dangerous proportions.

A great deal of time, trouble, and expensive equipment has been devoted to defeating scatter and it is up to us to utilize all this to the fullest extent.

There are two methods of minimizing scattered radiation. First we have the means for reducing the formation of scatter.

Cones and diaphragms have essentially the same use in that they decrease the volume of tissue being radiated, thus limiting the scatter to that arising from that part of the body required for the examination, and eliminating the scattered radiation from neighbouring parts. This is effective, not only for acquiring good contrast and detail, but also for guaranteeing the most protection for the patient and radiographer.

Comparing a 5th lumbar region in which no cone is used, with another on the same patient using the same factors with correct coning the difference is very evident, and is even more marked with larger patients.

Compression bands are helpful in eliminating scattered radiation especially in obese patients. The body fat can be successfully pressed aside with the proper compression, and once out of the area being radiographed, can be cut off entirely by proper coning.

With higher K.V. scatter is increased, becomes harder and more penetrating, so causing a non-image forming fog on the film. By selecting an optimum K.V. for the part being radiographed, we can avoid a great deal of this. To-day of course high K.V. work is becoming more popular but this is only because of the greater efficiency of grids, a 16:1 ratio being used for this type of work.

Now, this brings me to the second method, that of preventing already formed scatter from reaching the film. The grid is the most important device in this group. It prevents scatter by allowing only the primary rays to pass between the lead strips, while the scattered radiation is cut off.

The lead backing to films prevents the back-scatter from the table from fogging the film and when using intensifying screens these absorb some scattered radiation.

Proper use of all this equipment will limit fog on films caused by scatter to a minimum, and also reduce the patient's and technician's dosage. Along with these, lead-lined control booths, lead-rubber aprons and gloves, etc., will do a great deal to ensure a full and healthy working life for the x-ray technician, but knowing that scatter is always with us, then it is important to keep check on the amount of radiation received by each individual in the department. This may be done by various means, such as regular blood counts, carrying of ionisation chambers or use of a film monitoring service. Such a service is used at Fredericton, and this is the type of film-badge worn by each member of the staff.

In conclusion, "Familiarity breeds contempt," and it is this that we must guard against in our daily work with x-radiation.

Dr. Digby Wheeler

Dr. Digby Wheeler, prominent Winnipeg radiologist, died on Sept. 20th. He was returning from Philadelphia where he received the honorary degree of Fellow of the International College of Surgeons, when he died in his sleep on a C.N.R. train as it neared Winnipeg.

Born at Brantford, Ont., he graduated from Toronto University, B.A. 1913, later taking his M.A. at the University of Manitoba and M.L. Manitoba in 1916.

He was certified specialist in diagnostic and therapeutic radiology by the Royal College of Physicians and Surgeons in Canada and made a Fellow of the College in 1951.

He was past-president of the Winnipeg Medical Society and the Canadian Association of Radiologists.

He served overseas in the First World War with the C.A.M.C. and during the Second World War was consultant radiologist for Military District No. 10. He began his radiological career at the Winnipeg General Hospital with the late Dr. J. Currie McMillan and became associated with him in private practice in the Medical Arts Building in Winnipeg. In 1932 he opened his own office and had been in practice since with a group of associates. He was Professor Emeritus in Radiology at the University of Manitoba, and a Fellow of the Faculty of Radiologists, London, England.

At the time of his death he was head of the Departments of Radiology at St. Boniface, Misericordia, Grace, Victoria and Shriners' Crippled Children's Hospitals; consultant radiologist to the D.V.A. in the Military District.

He had a keen appreciation of music and the Arts and for the past two years was president of the board of the Winnipeg Symphony Orchestra.

His passing is a deep loss to the medical profession and a large circle of friends.

He is survived by his wife, two brothers and a sister.

—C.J.B.

13th Annual C.S.R.T. Convention

Montreal, September 7th-10th, 1955

By L. J. CARTWRIGHT, R.T.

Although the actual business of the convention was not scheduled to start till Wednesday, September 7th, most of the provincial delegates and quite a number of other members arrived on Tuesday evening and gathered for a social get-together to the accompaniment of sandwiches and coffee. The Directors were not so fortunate, however, as they were involved in the first of a series of important discussions on a long agenda, so they were not seen at this social reunion.

The following morning the convention started in earnest with three Refresher Courses at 8.30 —"Radiographic Factors" by Frank Dreisinger, R.T., General Electric Educational Director; "Therapy" by G. A. Wilkinson, B.Sc., R.T., and a French course in Obstetrics by Dr. Lionel Lafleur. About seventy technicians took the opportunity for greater knowledge offered by these three courses.

At 10.15 the Convention was officially opened under the chairmanship of the C.S.R.T. President, Mr. Alfred Cheffins, with greetings from the City of Montreal; from Dr. Donald McRae, President of the Quebec Association of Radiologists; from Dr. Turner representing the Canadian Hospital Association, and from Mr. Donald Fisk, President, Quebec Society of X-Ray Technicians. We were also honored with the presence of Miss Esther Sponberg, A.S.X.T. President at the time of the First International Convention, who had been sent by the A.S.X.T. for the purpose of making preliminary arrangements for the Second International Convention to be held in Washington, D.C., in 1957. Various telegrams and letters of greeting were read and then the first business session began. Around one hundred members were in attendance. The more important matters dealt with are reported elsewhere in this issue.

Following the lunch interval (there were no official luncheons at this Convention) the afternoon technical session started at 2.30 under the chairmanship of Mr. Donald Fisk. There was a bumper attendance at this afternoon session, some of the late arrivals having to stand. We were pleased to note the large number of Sisters who were able to attend this convention. The session started with a paper in French dealing with Congenital Abnormalities and recommended techniques given by Miss Andrée Jutras, R.T., St. Justine Hospital, Montreal. A most valuable and informative talk by Dr. Donald McRae of the Neurological Institute followed. Dr. McRae's subject was "Carotid Arteriograms." He pointed out that in cerebral arteriography the procedure involved not merely an injection but an addition to the blood, which resulted in a dilution of the opaque medium, the dilution varying with the speed of the blood flow in the region and the patient. Dr. McRae emphasized the necessity for individual treatment by the neuro-surgeon making the injection. He also advocated a team meeting prior to the radiographic examination at which the neurologist, radiologist, nurse and technician would reach a clear understanding of the results desired and the methods to be adopted to achieve it. The timing of the radiographs was also dealt with by Dr. McRae but space precludes more details in this description. The third paper of the Wednesday afternoon session dealt with X-Ray Protection and was given in French by Sister Marie de la Ste. Famille, R.T., St. Joseph's Hospital, Lachine P.Q. The final paper was an interesting discussion of the "Visualization of the Biliary Ducts with Intravenous Media." It was written by Sister M. Eucheria, R.N., R.T., St. Joseph's Hospital, Hamilton, Ont., and was read by Miss Margaret Palmer as Sister Eucheria was unfortunately unable to be present.

At 5 o'clock buses left for the 25 mile trip to the Veterans' Hospital at Ste. Anne de Bellevue. An interesting ride took us through the outskirts of Montreal and along a good duplex highway past the Dorval Airport to Ste. Anne's. The hospital, a series of low buildings covering considerable space with accommodation for over 1,000 patients—is ideally situated in park-like grounds. It is operated by the D.V.A. in conjunction with Queen Mary Veterans' Hospital in Montreal. We understand Queen Mary takes the more active cases and Ste. Anne's is more for patients of the chronic and convalescent type. Here we were welcomed by Mr. Whitaker, Administrator of the Hospital, and by Dr. G. T. Adams, Radiologist. We were conducted in groups through some parts of the hospital,

LEFT TOP: C.S.R.T. Officers, Directors and Delegates. 2nd DOWN: Incoming President Mel Smith makes presentation to Retiring President Albert Cheffins. 3rd: Mr. Cheffins presents Mrs. Mary Cameron with Welch Memorial Lecturer's Plaque. BOTTOM: At C.S.R.T. Annual Dinner. RIGHT TOP: C.S.R.T. Directors: (L. to R) Standing—Desmond Butler (Man.), Eric Hammond (N.S.), John Collins (Ont.). Sister Delellis (N.B.), J. P. Connell (Sask.), Mrs. E. I. Hood (Sec.-Treas.), Albert Cheffins, President (P.Q.), Mel Smith (B.C.), Vice-President and President-elect; 2nd DOWN: Dr. G. Gill presents Geo. Reason Cup to Sister Marina and Miss Clare Hutchison, St. Joseph's Hospital, Saint John, N.B. 3rd: Refresher Course Instructors—Mr. Frank Dreisinger, Dr. Lionel Lafleur, Mr. G. A. Wilkinson. BOTTOM: at C.S.R.T. Dinner.

including the x-ray department and the particularly well equipped Occupational Therapy workshops. Then we boarded the buses again and were taken to the Recreational Hall in another part of the grounds—a well designed hall with neon lighting and a regular proscenium and stage—where we were served unusually interesting box lunches and coffee. A pianist and orchestra on the stage provided a musical background and later square dancing started—first timidly in one square under the instruction of the caller; but soon another and another square formed until the floor space was at a premium and tables had to be pushed back toward the walls. A thoroughly enjoyable evening was spent in this way and the 10.15 closing hour came all too soon as the buses filled up for the return trip to Montreal. Many returned carrying parcels of attractive gifts for the folks back home which they had purchased at the adjoining Occupational Therapy shops next door.

Simultaneously with this trip to Ste. Anne de Bellevue a tour to the Shrine of Brother André —St. Joseph's Oratory—had been arranged for the Sister technicians. This imposing structure on Mount Royal should be seen by all visitors to Montreal. The monumental character of the architecture tends to lessen its size when seen from a distance. When actually visiting it one is overwhelmed by the magnitude of the project. It has been under construction for about fifty years and the interior of the Sanctuary, which is of cathedral-like dimensions, is still far from completion. From the road a beautifully kept park is seen sloping up the hillside. Above this is a terrace reached by an automobile road. Ascending a long curving flight of wide stone steps one reaches the base of the main building. Here are a number of stone halls, a large shop for the purchase of religious articles and even a cafeteria. At this level the visitor is surprised to find such a modernism as a shining chrome escalator of unusual length which transports him to the level which would ordinarily be considered the crypt of the church. At present this is used as a museum. Still another escalator took us to the floor level of the huge unfinished Sanctuary, its bare concrete arches reaching far into the dim heights and the dome with its circular gallery far higher. Steel framework for the ultimate attachment of the stone finishing wall covers the concrete and men were at work in the chancel applying the finished wall. Descending to the terrace level we walked through the beautifully laid out grounds on the mountainside. Here the fourteen Stations of the Cross are found between the flower beds and lawns and comprise some very fine statutary which appears to be the work of a single sculptor whose style has a definite modern trend. This walk ended at a beautiful fountain and pool of green water beneath which could be seen many coins thrown in by visitors. At night these gardens are completely floodlit and must indeed be a wonderful sight.

Thursday, September 8th

On the morning of the second day the members got an unexpected half-holiday as the Directors and Delegates were in a morning-long discussion with Mr. Curran, the C.S.R.T.'s honorary legal advisor, who had very kindly made a special trip from Ottawa to steer them through the intricacies of bringing out a revised list of By-laws. Hence the Second General Business Meeting scheduled for that morning was called off.

At 2.30 in the afternoon there was again an overflow attendance for the technical session under the chairmanship of Miss Claire Belanger. The Welch Memorial Lecture, "Filters in Radiography," delivered by Mrs. Mary Cameron, created unusual interest and at its termination the lecturer was besieged by enquirers and those wishing to personally examine the compensating filters. These filters are made of iodine-impregnated blotting paper in varying thicknesses and shapes and no line of filter demarcation can be observed on the radiographs. This valuable paper will, of course, be printed in its complete form in a later issue of *The Focal Spot*. After a short intermission a talk on "The X-Ray Technician and Athletic Injuries" was given by Dr. Everett F. Crutshlow, Montreal General Hospital. As M.D. for a number of leading rugby and hockey teams, Dr. Crutchlow was able to speak with a very complete understanding of his subject and his talk was interspersed with a good deal of humour which was very welcome at four in the afternoon. His three chief "musts" for radiographic work which is so vitally important to professional athletes were (1) Multiple Views; (2) Adequate Penetration; (3) Comparative Views of the Unaffected Side. A lecture in French on Dosage in X-Ray Therapy by Dr. O. Dufresne of the Radium Institute brought the afternoon session to a close.

L. J. CARTWRIGHT, R.T.

Shortly after a number of members visited the new x-ray department of the Royal Victoria Hospital. We were welcomed by Dr. Carleton Pierce, Director of Radiology, and Mr. Henry Simkins, Chief Technician, and members of the staff. We were first shown around the existing x-ray department and then escorted through the extensive unfinished new wing, thus making a dramatic contrast. The writer feels quite inadequate in attempting a description of what this magnificent layout will be when finished and equipped. It has been his experience that one needs to go around a new department at least twice to get things properly oriented. Our party was privileged in being under the personal guidance of Dr. Carleton Pierce who very gracously gave us over an hour of his time after the day's work. The new wing, of which the x-ray department occupies an entire floor, is built behind the central block of buildings butting on to both surgical and medical wings. It has been carefully planned to handle out-patients, in-patients and private patients separately. Film changing rooms are provided so that cassettes will not go into the processing rooms. Ceiling crane tubestands are used extensively, some of these being already installed. Ample rest room space—with showers—is provided for the technical and teaching staffs. One wing is devoted to therapy and a Cobalt irradiation unit (we don't like the term "bomb") is already in use and was demonstrated to us by Dr. Lloyd Stephens-Newsham. Some of the Saskatchewan members swelled with pride on noting a plate giving Saskatoon as its city of manufacture. This portion of the department is deep in the rock of Mount Royal although other parts of the same floor are several storeys above ground level. One new idea mentioned by Dr. Pierce was a ceiling mounted tubestand on one of the operating rooms on the next floor, thus avoiding the necessity of bringing in a mobile unit. This tour was a most stimulating experience and the writer would like to repeat it when the equipment is installed and the department in full operation. We are very grateful to Dr. Carleton Pierce for making it available to our members.

That evening (Thursday) was "Movie Night" and an interesting programme of films was run off by the kindness of Mr. Paul Berty and the Canadian Kodak Company. Views taken on lovely Lac St. Jean, A Trip to the Moon and the Manufacture of X-Ray Film were among those shown. Following these the films taken by Dr. Gill at the Saint John Convention last year were viewed with much interest. Again, however, the unfortunate Directors and Delegates were denied relaxation, a meeting occupying the entire evening till midnight being held to consolidate the items to be presented to the General Assembly the following morning.

Friday, September 9th

So at 10.15 Friday morning the final Business Session took place. A number of important matters were dealt with expetitiously. These are reported elsewhere in this issue. Miss Esther Sponberg, Past President, A.S.X.T., was invited to the rostrum at this meeting and spoke briefly on the 1957 International Convention arrangements. Mr. G. A. Wilkinson, B.Sc., R.T., was appointed as Canadian Co-Chairman to act with Mr. J. M. Morel in the onerous position of co-ordinating the arrangements for this important gathering at Washington. The probable dates for next year's C.S.R.T. Convention in Victoria, B.C., were announced as August 29th to September 2nd, and the location The Empress Hotel.

The afternoon technical session under the chairmanship of Mr. Wilkinson started with a very interesting and unusual paper on Veterinary Radiology by Mr. E. J. Bishop, R.T., of the Ontario Veterinary College, Guelph. Mr. Bishop showed color slides of the positioning in radiography of both small and large animals and described the ways in which difficulties inherent in this unusual specialty were overcome. The next paper was on Therapy Beam Positioning by Miss Rosina McHardy, R.T., Montreal General Hospital, and was particularly valuable to those engaged in this branch of roentgenology. Then came "Film Copying by Solarization" by Mr. Rex Radford, M.S.R., S.R.N., of Fredericton, N.B. This made the matter of obtaining duplicates by solarization much les svague than it has been in the past, the chief points being the preliminary desensitizing and the use of a constant source of illumination, such as a viewbox to help standardization of results. This concluded the Friday afternoon technical session and was also the final paper of the Convention.

At 6 o'clock the foyer of the Prince of Wales Room was vibrating with the bilingual chatter of a hundred and sixty technicians attending the pre-banquet cocktail party. At 7 an excellent dinner, which did full justice to French cookery standards, was served in the Prince of Wales

Room with an orchestra providing a pleasant musical background. In addition to the large number of member technicians we were honored with the presence of Dr. Carlton Pierce, Dr. G. Gill, Dr. McRae, Dr. Crawford and Dr. Crutchlow. We missed Dr. E. A. Petrie who was unfortunately unable to be present at the Convention. Also with that of Miss Esther Sponberg representing the American Society of X-Ray Technicians. We had the pleasure of listening to the amusing anecdotes of M. Emile Genest, well known and beloved in French Canada for his association with the radio and TV production "The Plouffe Family," in which he plays the part of "Napoleon." Some of the members from other provinces have also heard this organization on Trans-Canada broadcasts.

Mr. Mel Smith, incoming President, presented the retiring President, Mr. Albert Cheffins, with a gift as a small recognition of the excellent work he has done for the C.S.R.T. during the past year. The Vice-President for 1956 is Mr. Wm. Doern. Mrs. Mary F. Cameron was presented with the Welch Memorial Plaque for her stimulating Welch Memorial Lecture. The George Reason Cup was presented to two student members from St. Joseph's Hospital, Saint John, N.B.—Sister Marina and Miss Claire Hutchison.

Then the floor was cleared and for the next three hours the majority of those present thoroughly enjoyed dancing to the music of an excellent orchestra.

Saturday, September 10th

The following day the final Directors' and Delegates' meeting was held in the morning and at noon two busloads of members left for a visit to the new Montreal General Hospital where they were welcomed by Dr. E. F. Crutchlow, Radiologist, and Miss Rosemary O'Hagan, Miss Rosina McHardy and Miss Agnes Muirhead, and explored the fourteen x-ray rooms and admired the splendid equipment of this fine streamlined building on the Mountain. Then they began the beautiful drive down the St. Lawrence some fifty miles to Ste. Agathe in the Laurentians. Arriving at the Sanatorium they were greeted by Mr. Meadus, Chief Technician. After strolling through the lovely grounds and then visiting the x-ray department a very nice tea was served by the nurses. As the buses loaded up for the return trip to Montreal the only regret was that time was so short.

The total attendance at the Convention was 208, 124 being from Quebec and 48 from Ontario, with a smaller representation from each of the other provinces and three from the United States. All the members of the committee worked so well to ensure the success of the Convention that it is difficult to single out any for special mention. Gordon Greenfield and his French co-chairman, Miss Yolande Garand, were always in evidence, as were Archie Wilkinson and Donald Fisk. Lorraine Tremblay and Carole Dunn carried out the Reception and Registration in a charming and efficient manner. Sister St. Berenice had plenty to do with the large number of Sisters in attendance and Miss Edwina Boa made a good job of looking after the visiting wives, her entertainment including a visit to the exciting if somewhat vertiginous "Cinerama," a sightseeing bus tour around Montreal and a visit to a French restaurant, Chez Paree.

The teamwork was excellent and the members of the committee may well feel gratified with the results obtained.

LOST—— FOUR R.T.'s

The Registrar, Miss McMillan, has four certificates unclaimed—no addresses of the owners. If anyone knows the whereabouts of the following will they kindly notify the Registrar at once:

Miss Anne Bedner, formerly of Edmonton, Alberta.
Mr. Harry T. Hardin, formerly of Edmonton.
Miss Waldemar Pikulif, formerly of Saskatoon.
Sister Elizabeth Marie, whose certificate has been waiting for her since 1951.

We would like to take this opportunity of emphasizing to all members the importance of keeping the Society informed of changes of address. This applies especially to those who have just written their examinations and more particularly to those under 21 who have written their exams but may change their addresses before the certificate can be sent to them when they reach the age of 21. The address of the Registrar is: Miss M. McMillan, Ste. 6, 1247 Burnaby Street, Vancouver, B.C.

The Focal Spot

Journal of the Canadian Society of Radiological Technicians

LESLIE J. CARTWRIGHT, R.T.
EDITOR

Volume 12 TORONTO 1955 NO 4 *Issue No. 48*

Editorial Notes

Highlights of the Business Meetings

Following a year's work by the Committee on Law under Miss Mary McMillan, the Directors were kept extremely busy at the Montreal Convention in working with Mr. Curran, the Society's Honorary Solicitor, on numerous revisions. The substance of the by-laws has not been changed for the most part, but the whole set-up has been made clearer and more concise. As the final conference with the Solicitor took place at the recent general meeting, there was no time to mimeograph the text and present it for the approval of the members during that meeting. Consequently in the New Year a copy of the revised by-laws will be sent to all members together with a proxy vote. A special general meeting will be held in Vancouver and a list of members of the B.C. Division, who can attend and act as delegates, will be prepared. Members will be asked to send their proxy votes to the delegate representing them. If the vote is favorable (and it is sincerely hoped that it will be as a great deal of thought has gone into the drafting of these by-laws) they will be sent to the Secretary of State for his approval.

THERAPY TECHNICIAN ADMISSION REQUIREMENTS

Dr. Gill presented his and Dr. Petrie's suggestions regarding the admission of Therapy Technicians to the C.S.R.T. He pointed out that this matter had been under discussion for at least five years. It was now proposed that there be three categories:

(1) Radiography, R.T. (R).
(2) Therapy R.T. (T).
(3) Radiography and Therapy R.T. (R. & T.).

That the curriculum be modified accordingly with a first year basic for all categories; second year for the specialty—either Radiography or Therapy and a third year for those wishing to qualify in both.

Three other categories exist at the present time—

(a) Those who are already R.T.'s. These would be regarded as certified in both specialties.
(b) Those who have not joined the Society. In the case of those who have been engaged in Therapy for at least five years, it was suggested that they be certified as Therapy Technicians without examination up to January 1st, 1958. Those who have been doing Therapy at least three years but less than five, may be certified after examination. (Additional study advised.)
(c) Those who have had two years training but less than three (as of January 1st, 1958) shall take a further year of adequate instruction and experience and may then be declared eligible for examination in Therapy.

These proposals were passed by the General Assembly.

The Therapy Technician Report of Drs. Gill and Petrie may be read in full elsewhere in this issue.

THERAPY TECHNCIAN FOR TECHNICAL TRAINING COMMITTEE

In view of the impending acceptance of Therapy Technicians into the C.S.R.T., the matter of the appointment of a Therapy Technician to the Technical Training Committee was considered and Miss M. Macbean, R.N., R.T., of B.C. Cancer Institute, Vancouver, was appointed.

GEVAERT AWARDS REGULATIONS

At a meeting of all the Provincial Delegates Rules and Regulations for these awards were worked out under the chairmanship of Mr. Derrald L. Thompson, British Columbia Delegate. They were presented and passed by the General Assembly as follows:

EDITORIAL NOTES

REGULATIONS GOVERNING THE SUBMISSIONS FOR "GEVAERT AWARD" COMPETITION

These regulations were proposed by a special committee consisting of the official delegates to the 1955 Annual Meeting of the C.S.R.T. and were subsequently presented to and accepted by the general assembly of this annual meeting.

1. One bronze medal to be presented annually on the provincial level to the student submitting the paper judged best by the provincial Gevaert Award Committee.
2. One bronze medal to be presented annually on the provincial level to the student submitting the exhibit judged best by the provincial Gevaert Award Committee.
3. One silver medal to be presented annually on the provincial level to the registered technician submitting the paper judged best by the provincial Gevaert Award Committee.
4. One silver medal to be presented annually on the provincial level to the registered technician submitting the exhibit judged best by the provincial Gevaert Award Committee.
. One gold medal to be presented annually on the C.S.R.T. level to the student submitting the best paper in accordance with these regulations. Judging to be by the C.S.R.T. Gevaert Award Committee.
6. One gold medal to be presented annually on the C.S.R.T. level to the registered technician submitting the best paper in accordance with these regulations. Judging to be by the C.S.R.T. Gevaert Award Committee.
7. Exhibits that have been judged as winners of current provincial awards may be submitted in competition for the "Reason Cup."
8. The evaluation scale for essay awards as presently used by the American Society of X-Ray Technicians may be used as a guide for judging until such time as a Canadian evaluation scale may be established.
9. To be eligible for the gold medal award the paper must be that of a current winner of a provincial bronze or silver medal award.
10. All gold medal award winning papers must be made available for publication in *The Focal Spot* within a reasonable time after the winning of the winning of the gold award.
11. All papers submitted must be typewritten, double spaced, and have reasonably wide margins. The original and one carbon copy must be submitted.
12. Papers shall have a minimum of one thousand words.
13. Papers and exhibits shall be related to the x-ray field.
14. Beginning in the year of 1956 and for all subsequent years the papers being submitted for the gold awards must be in the hands of the C.S.R.T. Gevaert Award Committee at least 120 days prior to the first day of the C.S.R.T. Annual Meeting at which the gold awards are to be made.
15. It shall be the responsibility of the provincial Gevaert Award Committees to forward provincial winning papers and exhibits to the C.S.R.T. Gevaert Award Committee.
16. All papers and exhibits must be the work of the student or technician submitting.
17. Winners of the gold medal awards shall be presented with the awards during the current C.S.R.T. Annual Meeting and should said winners not be present the presentation shall be made to the official delegate representing the member society to which the winner belongs.
18. Original submissions may be in either French or English.

REGLEMENTS DU CONCOURS DES "PRIX GEVAERT"

Ces règlements ont été proposés par un comité spécial composé des délégués officiels de l'assemblée annuelle de 1955 de la Société Canadienne des Techniciens en Radiologie et ont été acceptés ensuite par l'assemblée générale annuelle.

1. Une médaille de bronze sera offerte tous les ans, dans chaque province, après décision du comité provincial du Prix Gevaert, à l'étudiant qui lui aura soumis le meilleur manuscrit.
2. Une médaille de bronze sera offerte tous les ans, dans chaque province, après décision du comité provincial du Prix Gevaert, à l'étudiant qui lui aura soumis le meilleur exhibit.
3. Une médaille d'argent sera offerte tous les ans, dans chaque province, après décision du comité provincial du Prix Gevaert, au technicien enregistré qui lui aura soumis le meilleur manuscrit.
4. Une médaille d'argent sera offerte tous les ans, dans chaque province, après décision du comité provincial du Prix Gevaert, au technicien enregistré qui lui aura soumis le meilleur exhibit.
5. Une médaille d'or sera offerte par la S.C.T.R., chaque année, à celui des étudiants qui aura soumis, conformément à ces règlements, le meilleur manuscrit; la décision sera prise par le comité du Prix Gevaert de la S.C.T.R.
6. Une médaille d'or sera offerte chaque année, par la S.C.T.R., au technicien enregistré qui aura soumis, conformément ces règlements, le meilleur manuscrit; la décision sera prise par le comité du Prix Gevaert de la S.C.T.R.
7. Les exhibits qui auront mérité un récompense provinciale pourront être envoyés en compétition pour la coupe "Reason."
8. L'échelle d'évaluation utilisée actuellement par la Société Américaine des Techniciens en Rayons-X, pourra être employée comme base pour les estimations en attendant qu'une échelle d'évaluation canadienne soit établie.
9. Pour être susceptible de gagner la médaille d'or, l'auteur d'un manuscrit devra auparavant avoir reçu dans la même année une médaille provinciale de bronze ou d'argent.
10. Tous les manuscrits ayant été récompensés par l'attribution d'une médaille d'or devront être fournis à temps pour fin de publication dans le "Focal Spot."

11. Tous les manuscrits envoyés devront être dactylographiés, avec espace double, marges suffisantes et en double exemplaires (l'original et une copie au carbone).
12. Les manuscrits devront comprendre 1000 mots au minimum.
13. Le sujet des manuscrits et desf exhibits devra se rapporter au rayons-X.
14. A partir de 1956 et pour toutes les années subséquentes, les manuscrits soumis en vue de l'attribution d'une médaille d'or, devront parvenir au comité du Prix Gevaert de la S.C.T.R. au moins 120 jours avant l'ouverture de l'assemblée annuelle de la S.C.T.R. à laquelle les récompenses seront distribuées.
15. Les comités provinciaux du Prix Gevaert devront faire parvenir au comité du Prix Gevaert de la S.C.T.R. les manuscrits et exhibits auxquels ils auront attribué un prix.
16. Tous les manuscrits et exhibits soumis devront être l'oeuvre propre de l'étudiant ou du technicien qui les présente.
17. Les gagnants des médailles d'or recevront leur prix au cours de l'assemblée annuelle de la S.C.T.R. et au cas où ils ne seraient pas présents, leur prix sera remis au délégué officiel de la Société provinciale à laquelle ils appartiennent.
18. Les ouvrages pourront être présentés soit en anglais soit en français.

C.S.R.T. NOW ASSOCIATE MEMBER C.H.A.

Dr. Gilbert Turner, President, Canadian Hospital Association, presented greetings from the C.H.A. and congratulated our Society on having become an Associate Member of the Canadian Hospital Association.

AUSTRALIAN SOCIETY PROPOSES RECIPROCITY

The Australian Institute of Radiography now has reciprocal membership with Great Britain and as the C.S.R.T. also has reciprocity with Great Britain, the President of the A.I.R., Mr. A. R. B. Smith, wrote to our President suggesting a reciprocal agreement between Canada and Australia. This proposal was favourably received by the Directors and the General Assembly and steps are being taken to check educational and examination requirements in the two societies in the hope that a mutually satisfactory arrangement may be worked out.

THE TECHNICIANS' PLEDGE

After comparison with three other suggested pledges, the original Alberta pledge presented in 1952 was adopted with only slight modification. This may now be considered the official C.S.R.T. Pledge. However its use is optional and may depend on whether or not a Provincial Society has an official graduation ceremony.

> I solemnly pledge that I will cheerfully and willingly assist the radiologist in all diagnostic and therapeutic radiological procedures to the best of my ability.
>
> I will procure the best possible films in all examinations.
>
> I will take care to maintain a professional attitude in my relationship with all patients.
>
> I will regard as strictly confidential all information regarding each patient coming for examination or treatment.
>
> I will not discuss patients nor their affairs outside of the x ray department.
>
> I will not divulge to the patient the results of any examination.
>
> I will do all in my power to live up to and to improve the highest traditions of my profession.
>
> So help me God.

ARMED FORCES TECHNICIANS

Members of the Armed Services who have qualified as radiographers may make application for examination and membership in the C.S.R.T. However, their educational standards, training and recommendations will first be evaluated by the C.S.R.T. Board of Directors at the annual general meeting.

DIRECTORS TO MEET ONE DAY PRIOR TO CONVENTION

It was agreed that in future C.S.R.T. Directors will meet one full day prior to the Annual Convention so that more time may be available for discussion.

EDITORIAL NOTES

PROVINCIAL DELEGATES TO CONFER AT CONVENTIONS

At this convention a precedent was set in having the Delegates meet for discussion among themselves apart from the Board of Directors. This will be followed at subsequent annual meetings and should promote more democratic functioning as well as probably saving time when certain subjects are dealt with at the combined Directors' and Delegates' meetings.

SENIOR OFFICERS FOR 1955-56

Mr. Mel Smith of Vancouver is the new C.S.R.T. President and Mr. Wm. Doern, Winnipeg, the new Vice-President. The Society is fortunate in having two such excellent men in its senior positions. The members themselves were remiss in their duties; 804 ballots were sent out and only 199 returned. The 1956 Welch Memorial Lecture will be presented by Mr. W. Q. Stirling. Miss M. A. McMillan, Suite 6, 1247 Burnaby Street, Vancouver, B.C., is our new Registrar.

C.S.R.T. FELLOWSHIPS

At a Delegates' Meeting, at which all were present, a plan to start a Fellowship Degree on a Dominion level was considered. The Committee dealing with this matter comprises Mr. E. V. Hammond (Chairman), Mr. I. R. Fisher and Mr. Chas. Robb.

After considerable discussion this matter was tentatively formulated as follows:

The candidate must have held Provincial Office or have served on the C.S.R.T. Board of Directors.

He or she must have been doing x-ray work continuously for the past ten years and have been an R.T. for at least five years.

Applications would be received by the Provincial Societies and examinations held annually. An original thesis may suffice instead of examination.

The present Life Members of the C.S.R.T. would be given Honorary Fellowships and be appointed to become the governing board of the Fellowship Committee.

These are the proposals made by the Delegates and favourably received by the Directors, but time did not permit them to be presented to the General Assembly at the recent convention. It is expected that the Ontario Society will present this as a resolution at the 1956 Annual Meeting.

GEORGE REASON CUP REPLICAS

The small copies of the original George Reason Cup (ownership of which is not retained by a winner) have now been made and the first one was presented to Mr. Eric Hammond, 1954 winner and this year Director for Nova Scotia. A replica representing the cup won by Miss Lorraine Crampton in 1953 was given to the Ontario representative for presentation to her.

LAPEL PINS FOR THOSE UNDER 21

It was decided that these may now be purchased by members who have passed their R.T. exams before reaching the age of 21. The R.T. certificate is still withheld until they reach that age but authorization for the purchase of the lapel pin may be obtained from the Registrar, Miss M. A. McMillan, R.N., R.T., Suite 6, 1247 Burnaby Street, Vancouver, B.C.

C.S.R.T. BLAZER CRESTS

These were sanctioned and can be obtained from Mr. G. Burton McBride, Medical Arts Building, Hamilton, Ont. They will be regulated in the same manner as the purchase of lapel pins has been; that is orders must be accompanied by a purchase authorization certification, obtainable from the Registrar.

WHITE PLASTIC IDENTIFICATION FOR UNIFORMS

Sister deLellis is investigating the matter of having these made with the C.S.R.T. crest and will report on the matter later.

SAMPLE EXAMINATION PAPERS NOW AVAILABLE

An excellent six-page sample C.S.R.T. examination paper is now obtainable, on loan, from Provincial Secretaries. It contains questions on Radiography, Therapy and Protection, Physics and Apparatus, Anatomy, and Darkroom work. The questions are mostly formulated on the True or False basis and are so cleverly and comprehensively prepared that one wonders how the Examining Board can think up variations for subsequent papers.

EDITORIAL NOTES

HIGH SCHOOL PUBLICITY

It was suggested that a brochure on x-ray work as a profession be prepared for distribution to High Schools. A committee composed of Mr. G. Burton McBride, Miss Joan Goodall and Miss E. Shortt was appointed to see what can be done along these lines.

1956 C.S.R.T. CONVENTION

The 1956 C.S.R.T. Convention will be in Victoria, B.C., at the Empress Hotel from August 29th to September 1st.

1956 A.S.X.T. CONVENTION

The 1956 Convention of the American Society of X-Ray Technicians will be held at Louisville, Kentucky, June 17th to 21st.

SECOND INTERNATIONAL CONVENTION

Miss Esther Sponberg was present at the Convention, representing the A.S.X.T., and announced that the Second International Convention would be held in Washington, D.C., the year after next —Saturday, June 8th to 13th, 1957. Mr. G. A. Wilkinson, Montreal, was appointed Co-Chairman with Mr. J. M. Morel for this important event.

FREDERICK MELVILLE, HON F.S.R., F.Z.S.

It is with deep regret that we record the death of Mr. Frederick Melville, General Secretary of the Society of Radiographers, on September 21st at the Midlesex Hospital, London, England. Mr. Melville had been in poor health for some time and submitted to a major thoracic operation in 1954. At first this appeared to be successful but in July of this year he suffered a relapse from which he did not recover. Mr. Melville visited the States in 1931 when he was made an Honorary Member of the A.S.X.T., and he will be remembered by many of our members for his visit to the Winnipeg C.S.R.T. Convention in 1951 when he was presented with an Honorary Membership in the C.S.R.T. After our meeting he went to the States and was presented with a certificate from the American Registry as an Honorary Registered Technician. We join with the British Society in expressing our deepest sympathy with his widow in her sad bereavement.

VALERIA M. GAYNOR, R.T.

Another passing which fills us with sadness is that of Miss Valeria M. Gaynor, who died at the Swedish Hospital, Minneapolis, on September 12th. Miss Gaynor took up the Editorship of THE X-RAY TECHNICIAN in 1949 when it was relinquished by Miss Erminda Clarke and the writer numbered her amongst his personal friends and will always remember her gracious hospitality when he visited her in Minneapolis in 1952. At the International Convention in Toronto in 1953 many of our members will remember her. She was returning from the Florida A.S.X.T. Convention last year when she was taken ill and had to go into hospital in Milwaukee. After treatment she seemed better and resumed her duties at the Swedish Hospital in Minneapolis, although she resigned from the Editorship of THE X-RAY TECHNICIAN. In spite of failing health she continued to work at the hospital till five weeks before her death. Miss Gaynor entered the Swedish Hospital on a nursing course in 1931. She became an R.T. in 1937 and remained at the Swedish Hospital all her life. Her passing will be mourned by many members of the C.S.R.T. as well as by those of her parent Society.

Mr. Ray Fujimoto, B.Sc., R.T., who recently returned from taking a post-graduate Physics course in New York, has incorporated the notes for the two-day Refresher Course he recently presented at the Ontario Society convention, into a booklet, "Basic Principles of Radiation Safety," which may be obtained from him at the Mountain Sanatorium, Hamilton, Ontario, for a nominal charge of fifty cents to cover cost of material and postage. Both Students and R.T.'s will find is fifty cents very well spent.

REPORT OF THE PRESIDENT

Another year has rolled around. Another President greets you. This, the 13th Annual General Meeting, is the second of such to be held in the City of Montreal, Province of Quebec, an honour and a privilege appreciated by the Province of Quebec Society of X-Ray Technicians, your hosts, who have striven hard to make your visit to this ancient and historical old city a memorable one. Those of you who were here on the previous occasion will find many changes. Those of you who are visiting here for the first time I am sure will find much of interest and will, I hope, enjoy the experience of the bilingual nature and dual culture of the great metropolis.

I would like first of all to welcome to the Society all the students who have graduated during the past year. I hope that some of them are here with us to-day and will take part with us in our work and in our play. I would like them to feel that they have entered no ordinary society—no mere social organization, but one that is deeply interested in their welfare—a society that is working for their benefit and the future welfare and advancement of all who enter the field of radiography. Slow as progress may seem, I feel that many new members look only upon the Certificate as a "meal ticket" and a stepping stone to a good job. In so doing they fail to realize that Unity is Strength, and strength in the form of continuous membership and hard work is necessary if we are to achieve our ultimate goal. Actually, there should be no "ultimate goal" but a continual striving to become bigger and better and in this Electronic Age to progress with the times. Every new member is expected, and should be willing to serve; should attend all meetings of the local divisions and prepare himself (or herself) to accept office when that opportunity arrives.

We are indeed fortunate to have had with us for another year Dr. Petrie and Dr. Gill. Their keen interest in our Society, the great work undertaken by them on our behalf can never be fully appreciated — staunch links they are between the Canadian Medical Association, The Canadian Association of Radiologists and ourselves.

At the 1954 Annual General Meeting held at Saint John, N.B., the C.S.R.T. Board of Directors signified in favour of instituting separate examinations for therapy and diagnostic technicians. Originally proposed by the Ontario Society of Radiographers the propostion had been before the general assembly of C.S.R.T. several times over a period of years and while accepted by the members in general assembly at Saint John the matter has since been regarded with mixed feelings and some apprehension by the general membership of Provincial Divisions. Dr. E. A. Petrie was appointed co-ordinator of a special committee to study the proposition and under his chairmanship a special meeting was held at the Queen Elizabeth Hospital, Montreal, on Sunday afternoon, May 29th, 1955. Attending that meeting were Dr. Jean Bouchard, Dr. Guillaume Gill, Dr. E. W. Crawford, Dr. D. L. McRae, and your President. Considerable discussion took place, many personal opinions from many sources were given very fair consideration. Many suggestions were offered and recommendations put forth by those present. There was no final answer. A full report of that meeting has been drawn up by the co-ordinating chairman. This report will be presented for further consideration during this present annual general meeting. Many new problems will of necessity have to be faced as the study of this proposition goes deeper. It will be necessary to revise the curriculum in some measure and the question of approved training schools will have to be considered in a new light.

The application of C.S.R.T. for Associate Membership in the Canadian Hospital Association was accepted by the Board of Directors of that organization and ratified by the General Assembly at the Biennial Meeting held in the Chateau Laurier, Ottawa, Ontario, Monday, May 9th, 1955. Your President was privileged to attend the sessions as the official representative of your Society. A full report has been submitted. We look to gain some benefit from our association with this group and closer co-operation with the hospitals will no doubt eventually result, though at the present moment it appears that we have not sufficiently worked out any plan or any definite programme of action for which we can seek or expect direct assistance from the Canadian Hospital Association.

Much has been accomplished during the past year by the Committee on Law. The members of this committee have worked most arduously to bring up to date the Rules and Regulations and to shape up the new By-laws which have

been in the balance for so long. I would especially commend Miss Mary McMillan and Mrs. Mary Cameron who seem to have borne the brunt of the task.

Our thanks is due to the Board of Examiners for a job well done. With the exception of Dr. Jean Bouchard, the bilingual member, a new board went into action for the 1954-1955 season. Dr. J. G. Stapleton took over as chairman, Miss Jane Martin became secretary, and Mr. Charles Robb of Toronto is its new technician member. They should be highly complimented on the manner and dispatch of correcting and posting results. Incidentally, I would remind all student members of the Examining Board's offer of cash prizes for essays on "Protection." These prizes are generous and this gesture on the part of the Board should be sincerely appreciated by all.

An adequate Salary Scale will no doubt be an inevitable question again this year. Your President still cannot see how the C.S.R.T. as an individual body can prescribe wage scales that will be acceptable and suitable for all parties concerned. Due to the great difference in prevailing rates and standard of living in the Provinces from coast to coast, the matter must of necessity be Provincial. Some member Societies and Divisions have already gone ahead on their own and have achieved a fair measure of success. They are to be congratulated. However, whether or not they are able to realize and maintain their objectives will depend upon the amount of co-operation between themselves, the Radiologists, the Medical Association and, probably above all, Hospital Management.

The untiring and unselfish efforts of our Secretary-Treasurer and Registrar should not go unrewarded. To Mrs. Hood and her colleague Mrs. Coulson I offer my most grateful thanks and I must speak a word of praise and thanks for the continued good work of our esteemed co-worker Mr. Leslie Cartwright, not forgetting his staff, in getting out the Society's Journal and keeping *The Focal Spot* second to none in its field.

To the sessions of this Annual General Meeting I wish, on behalf of the Society to welcome Mr. Curran, of Ottawa, our honorary legal adviser, who will discuss with us and guide us in our deliberations on the By-laws. Miss Esther Sponberg, chairman of the Board of Directors of the American Society of X-Ray Technicians, who is here representing that Society as its official delegate regarding the business appertaining to the 1957 International Convention. I think it is now generally known that this International Convention will take place in Washington, D.C., in June 1957. The General Chairman will be Mr. Joseph M. Morel, R.T., of the A.S.X.T., and the Co-Chairman, I am very pleased to report, will be Mr. G. A. Wilkinson, B.Sc., R.T., of Montreal. Two years to go, and much to be done. Now, everybody with their shoulders to the wheel.

In closing I desire to express my sincere gratitude to all members for the great honour of being your President for the past year. I have enjoyed most happy and cordial relations with your Executive Officers and I trust that the future of the Society may be one of prosperity and continual advancement, regardless of how slow and tedious the path of progress may seem, always remembering that "Industry and Perseverance overcometh all things."

Respectfully submitted.

—ALBERT R. CHEFFINS, R.T.,
President, C.S.R.T.

REPORT OF THE SECRETARY-TREASURER

I shall read the Auditor's report on the financial standing of the Society as at July 31st, 1955.

You will note from the report which I have just read that our expenditures exceeded the revenue for the year. Two Member-Societies have not yet paid the levy for the Board of Directors' Expense Fund and the total paid-up membership for the year is down compared with last year's total.

As Secretary, I have received several requests for information as to where training may be secured, also the suggestion that a brochure be prepared giving pertinent information about the Society, its aims and objects and training programme. This would be available to High Schools and College for prospective students.

There is much work to be done if the Society is to progress and progress we must or decline. We need members who are willing to devote some of their time to the Society's work. The faithful few cannot do it alone, everyone must help and the more we have working the lighter will be the individual load. How can we bring the Society's needs to the attention of the general membership? Should we change the date of our annual general meeting and bring it nearer

the time when the Member-Societies recess for the summer? If this was done the resolutions and other matters for discussion would not be left until about the last meeting before recess—deadline for resolutions is four months prior to the meeting but at present at least two months are completely lost as the Societies are in recess for the summer.

As our President, Mr. Cheffins, has told you we are now an Associate Member of the Canadian Hospital Association. What about the Member-Societies seeking membership in the local branch of the Association? Possibly in this way we could bring our aims and objects to the attention of the Canadian Hospital Association and seek its assistance in bringing at least some of our objectives to fruition.

To the Secretaries and Treasurers of the Member-Societies I wish to express my grateful thanks for their assistance and co-operation during the year.

To our President, members of the Board of Directors and fellow members I wish to say how much I appreciated your beautiful flowers and messages of sympathy in the loss of my beloved husband, Bill.

Respectfully submitted.

—(Mrs.) E. I. HOOD, R.N., R.T.,
Secretary-Treasurer, C.S.R.T.

FINANCIAL STATEMENT

THE CANADIAN SOCIETY OF RADIOLOLGICAL TECHNICIANS
BALANCE SHEET
As at July 31st, 1955
EXHIBIT "A"

ASSETS

Cash on Hand	1.00	
Bank of Montreal, Savings Account	5,510.09	
		$5,511.09

LIABILITIES

Accounts Payable—Audit Fee		$ 40.00
Surplus:		
Balance, August 1st, 1954	$5,873.89	
Less: Excess of Expenditures over Revenue for the year ended July 31st, 1955	402.80	
		5,471.09
		$5,511.09

STATEMENT OF REVENUE AND EXPENDITURES
For the Period Ended July 31st, 1955

REVENUE

Membership Fees—		
Ordinary	$2,652.00	
Associate	155.00	
Non-Active	88.00	
Membership Society Fees	90.00	
Reciprocity Fee in Lieu of Examination	15.00	
Levy—Directors' Expense Fund	598.00	
Bank Interest Received	31.30	
Curriculums Sold	34.00	
Share of 1954 Convention Fund	286.08	
Focal Spot Subscriptions—Non-Provincial Members	14.00	
		$3,963.38

2777 New Market Drive,
North Vancouver, B.C.
August 15th, 1955.

To the Executive and Members of
The Canadian Society of Radiological Technicians.

A detailed audit of the books of record of your Society has been completed and from the information therein contained the following statements are prepared:

Exhibit "A"—Balance Sheet as at July 31st, 1955.

Exhibit "B"—Statement of Revenue and Expenditures for the year ended July 31st ,1955.

The above mentioned exhibits reveal the exact position of the affairs of the Society.

—HARRY L. WARREN,
Public Accountant.

EXPENDITURES

Officers' Honaria and Expense	$2,599.69	
Stenography, Printing and Stationery	237.37	
Postage and Telegrams	170.03	
Flowers	23.18	
Photographs for Historian	15.45	
Audit Fee	40.00	
Exchange	8.89	
Grant to Focal Spot for Registry (3 years)	225.00	
Pool Fund	989.75	
Subscriptions Focal Spot	16.00	
Subscription to Canadian Hospital Magazine	3.00	
Miscellaneous Expense	37.82	
		$4,366.18
EXCESS OF EXPENDITURES OVER REVENUE DEDUCTED FROM SURPLUS ACCOUNT		$ 402.80

REPORT OF THE BOARD OF EXAMINERS

At the 1954 annual meeting of the C.S.R.T. Dr. J. G. Stapleton of Hamilton was appointed Chairman of the Board of Examiners. The other members of the Board now are: Dr. J. L. Bouchard, Montreal, French-speaking member; Mr. Charles Robb, R.T., Toronto, technician-member; Miss Jane Martin, R.T., Hamilton, secretary.

Dr. Bouchard has rendered invaluable service to the Board, despite the fact that communication with the other members has necessarily been confined to the mails and the telephone. Mr. Robb has been ever ready to come to Hamilton for meetings, and his advice and teaching experience have been most helpful. Miss Martin has handled the very heavy secretarial load cheerfully and efficiently, and to a large extent in her own time, due to the demands of daily business in an active department.

At the November, 1954, examinations 134 candidates wrote the exams and 118 passed. There were also 13 rewrites, of whom 12 passed.

At the May, 1956, examinations 84 candidates wrote and 73 passed. Of the 14 rewrites, 12 were successful.

The committee, in response to a request from the C.S.R.T. Board of Directors, has prepared a list of former and possible examination questions for the guidance of teachers and candidates.

In general the Board has noted with some surprise that candidates seem fairly well prepared in the basic sciences of anatomy and physics, but tend to do less well in radiography, darkroom, and therapy and protection.

A new examination is being prepared for November, 1955.

Respectfully submitted.

—J. D. STAPLETON, Chairman,
Board of Examiners.

FINANCIAL STATEMENT
C.S.R.T. BOARD OF EXAMINERS
July 1st, 1954, to July 1st, 1955

Cash in Bank, July 1st, 1954		$ 492.34
Receipts:		
Exam fees	$1,119.26	
Reciprocity fees	14.85	
Interest	10.79	
Sale of Bond	512.14	
		$1,657.04
Total		$2,149.38
Disbursements:		
Exam fee refunds	$ 379.55	
Recriprocity fee refunds	14.85	
Postage	87.21	
Stationery and office equipment	123.33	
Travelling expenses	308.00	
Printing	241.45	
Exchange	4.58	
Honoraria	50.00	
Board of Examiners prizes	40.00	
Miscellaneous	46.80	
		$1,295.77
Cash in Bank, July 1st, 1955		$ 853.61
Total		$2,149.38

REPORT OF HISTORIAN

Since the last annual meeting of the Canadian Society of Radiological Technicians in 1954, the report of the Historian concerns the routine duties connected with this office. One important highlight of historical interest to our Society is that the C.S.R.T. now enjoys Associate Membership in the Canadian Hospital Association. For this happy privilege we owe a debt of gratitude to our president, Mr. A. Cheffins, to our immediate past-president, Mr. J. Collins, and to our first representative, Mr. W. Doern, for their efforts as our delegates to the meetings of the Canadian Hospital Association.

In accordance with the prescribed duties of historian, the record book purchased in 1953 now contains in chronological order all available data leading up to the formation of the C.S.R.T. and all important events of each subsequent annual meeting. Since authorization has been given for photographs in 1953, an attempt has been made at each Annual Meeting to obtain photographs of the refresher course lecturers, memorial lecturers, award winners, etc.

Your historian has only one recommendation to make at this time. A change in office is good for any organization so please remember this and think of my historian-successor.

Respectfully submitted.

—SISTER M. DELELLIS, R.T.,
Historian, C.S.R.T.

REPORT OF COMMITTEE ON TECHNICAL TRAINING

The activities of this Commitee have been solely concerned with one major item this year, viz., a separate classification for therapy technicians.

A meeting of the members of the Committee on Radiological Technicians of the C.A.R. was held in Montreal on May 29th at which meeting Dr. E. A. Petrie of the Canadian Association of Radiologists and Mr. A. R. Cheffins, our president, were present. Your chairman was unavoidably absent.

A copy of the recommendations for separate therapy classifications as outlined at this meeting was sent to the Directors of the C.S.R.T., C.S.R.T. Committee on Technical Training and the examing board of the C.S.R.T.

It is hoped that these recommendations will be carefully considered at the C.S.R.T. annual meeting and that a definite decision will be made to the satisfaction of all concerned.

At this time I would like to thank my fellow Committee members, Mr. D. Penley and Mr. W. Q. Stirling, for their helpful suggestions and especially Dr. E. A. Petrie and his Committee for their untiring efforts on our behalf.

Respectfully submitted.

—K. E. HALL, R.T.,
Chairman.

Report of Chairman of the Committee on Technicians, Canadian Association of Radiologists

Toronto Joint Meeting of the British and Canadian Medical Associations, June 20th-24th, 1955

The main activity of the Committee on Technicians during the past year has been in connection with the question of Separate Examinations for Radiography and Therapy and what should be done toward the establishment of Approved Training Centres.

As these items are of some importance and as the time is at hand when definite decisions have to be made by both the Canadian Association of Radiologists and the Canadian Society of Radiological Technicians, I have prepared a brief historical summary of the background of these problems.

HISTORY:

For a good many years the advisability of having separate training and examinations for technicians in radiography and therapy has been considered but it has been believed until perhaps quite recently, by the majority, that all technicians should have a basic training in both radiography and therapy, somewhat similar to the situation in nursing and in medicine, and it has been considered that those interested in special branches such as therapy could take post-graduate training later. However, there has been a growing demand on the part of radiotherapists and technicians engaged in therapy, for recognition and admission to the C.S.R.T. of therapy technicians without having to qualify first in radiography.

The question has come before the C.S.R.T. on several occasions during the past five to six years. Apparently on the first two occasions it was thrown out; the third time it was put to the C.S.R.T. was in Winnipeg at the Annual Meeting in 1951. A resolution then presented by the Ontario Society of Radiographers was as follows:

> "WHEREAS in view of the increased number of cancer therapy centres training and employing therapy technicians only, and the desire of those in charge of such centres to establish a standard of training for such technicians,
>
> THEREFORE BE IT RESOLVED that a separate set of examinations be formulated by the Examining Board of the Examining Board of the C.S.R.T. to qualify as Registered Technicians those students trained to practise as therapy technicians."

This time it was tabled for future consideration at the next Annual Meeting (letters from Dr. Gill, Oct. 18th, 1951, and Mr. Gore, July 30th, 1952).

Accordingly at the Calgary meeting in 1952 (letter from Dr. Gill, Jan. 2nd, 1953):

> "This resolution was again shelved until 1954 to allow the C.A.R. and the C.S.R.T. Committees on Technical Training to study this question and come to some understanding, if it is at all possible, in view of suggesting to the Board of Directors, C.S.R.T., an equitable solution to this problem."

In 1953 the meeting of the C.S.R.T. took place in Toronto as a joint meeting with the American Society and apparently the question of separate examinations was not mentioned (adhering to the recommendation at Calgary that it be shelved until 1954).

REPORT OF THE COMMITTEE ON TECHNICIANS

At a Council meeting of the C.A.R. Jan. 28th, 1953, Toronto (minutes page 9) the majority was opposed to separate examinations.

At a Council meeting of the C.A.R. June, 1953, the following resolution was brought forth: (a) It would be best for all technicians to have at least a working knowledge of both therapy and diagnosis; and (b) That examination and certification might be made in diagnosis or therapy or both."

This matter then came before the General Meeting of the C.A.R. in Quebec in January, 1954, and the following recommendation was the result:

> "THAT the Canadian Society of Radiological Technicians consider changing their training and examinations so that technicians may become registered in Diagnosis or Therapy or Both."

This recommendation was carried by a large majority.

This question was again submitted to the C.S.R.T. at the September meeting in Saint John in 1954 following the above resolution of the C.A.R. It was at this meeting in Saint John that the joint committee was set up with Dr. E. A. Petrie to act as co-ordinator. This matter was considered further at the Ottawa meeting of the C.A.R. in January, 1955, and here it was decided that a nucleus committee would have to be formed consisting of members from both organizations living within reasonable distance and who could have one or more meetings. (It was moved that some money be available, letter from Dr. McRae: "That the Committee consider and forward to the Executive the details as to the amount of the appropriation they would require and what this appropriation would be expended for, and the Council empowered the Executive to deal with the matter.")

It has proved very difficult to arrange time and place suitable for even a limited committee. However a meeting was arranged in Montreal, May 29th at the Queen Elizabeth Hospital of Montreal. Those present were: Dr. E. A. Petrie, Chairman; Dr. G. Gill, Dr. J. Bouchard, Dr. E. M. Crawford, Dr. D. McRae, Mr. A. Cheffins, guest (Mr. Hall, Chairman, Committee on Technical Training, C.S.R.T., and Dr. A. C. Singleton were unable to be present).

The following is a summary of discussion that took place at the meeting as recorded by Dr. Crawford and your Chairman:

Dr. Petrie reviewed the history of the present situation pertaining to the discussions that have been held regarding the separation of the examinations in diagnostic radiography and in therapeutic technique. As a final item in this report, a letter was read from Mr. J. C. Saunders (dated March 11th, 1955), Chairman of the Resolutions Committee of the C.S.R.T., pertaining to an amendment to a resolution passed by the Board of Directors of the British Columbia Division of the C.S.R.T. This resolution recommended that any proposition changing the present regulation should receive wide circulation before an attempt was made to discuss it and adopt anything resulting from this discussion.

During the discussion of this matter it was recognized that a request for separate examinations and separate qualification in the therapeutic techniques was coming mainly from the Province of Ontario and those Provinces where technicians had been trained in therapy only and having worked at this for a number of years and have had no opportunity to qualify as registered technicians under the present system of examinations. It was however, pointed out that in Canada the greater need still is for radiographers in diagnostic work and that only about 15% of radiographers are actually doing therapy work in Canada to-day. It was agreed however that there is a need to meet the present demand for qualification in therapy and also to supply the means whereby technicians can be so qualified. It would appear that the demand for therapy technicians would increase as the years go on.

We might consider the establishment of three categories, namely:

(1) Registered Technician, Radiography RT(R)—to be trained largely as at present.

(2) Registered Technician, Therapy RT(T) —This group would have one year basic training (common to both) and one year special training in therapy (positioning and radiography).

(3) Registered Technician, Radiography and Therapy, RT(R&T)—This group would take a three year course; one year basic, one year therapy and one year radiography.

Curriculum and examinations of course would have to be altered.

It is still strongly recommended that we insist that all technicians qualifying for radiography shall have some training in therapy (the exact time to be decided later, three to six months) in order that they may have an adequate understanding of the biological effect of radiation and means necessary for the protection of themselves and the patients. So too, it must be arranged that those qualifying in therapy shall have sufficient training in diagnostic radiography

to enable them to have an adequate understanding of beam localization and beam direction. In checking fields treated, radiography is assuming more importance. So it is deemed necessary that therapy technicians must have sufficient training in radiography, including darkroom technique, to do this work.

The establishment of separate classes is more or less in keeping with what has been done in Great Britain except that in their curriculum there is apparently no classification for those who wish to do technical work in both radiography and therapy.

It was brought out in the discussion that to train young people just out of High School in either radiography or therapy, requires a fairly extensive curriculum even in high school subjects such as mathematics and physics, and even though these subjects had already been taken. It is really not possible to do satisfactorily specialized training in either radiography or therapy until the second year of the course. One year in basic training, common to both radiography and therapy, would seem essential.

Considerable discussion was devoted to the rights and status of those already trained and those already under training. It is suggested that:

1. All technicians at present (date to be decided by C.S.R.T.) holding the title of Registered Technician as recognized by the C.S.R.T. shall be regarded as certified in both radiography and therapy.
2. For Certification in therapy:
   (a) Any therapy technician who has been engaged for at least five years (dates as of Jan. 1st, 1956 (?) to Jan. 1st, 1957 (?)) shall submit a statement of his or her training and experience together with a recommendation of the radiologist or radiotherapist under whom he or she served. If in the opinion of the Examining Board, training and experience appear to be adequate, the technician in this class may be certified in therapy without examination. No one after Jan. 1st, 1957 (?), shall be accepted in this manner.
   (b) Those who have been engaged as therapy technicians for at least three years (date as above—to be decided) but less than five years must submit evidence of acceptable training and experience. If in the opinion of the Examining Board, training and experience is deemed adequate, then this technician will be eligible to take the C.S.R.T. examinations in therapy. They are however strongly recommended to take a course of lectures on therapeutic techniques, physics, radio-biology, etc.
   (c) Those who have had two years' experience but less than three (dates —as above) shall take a further year where adequate instruction and experience may be gained. They may then be declared eligible for examination.

If the above recommendations are acceptable to the C.S.R.T. a date will have to be set when they shall be in force. A careful consideration will have to be given to the rights of those already training so that present understandings and agreements shall not be disrupted, recommendations and resolutions finally agreed upon shall be widely circulated before present regulations are changed.

In brief the requirements for training might be somewhat as follows:

	Radiography	Therapy
First Year	General Physics (Electricity)	General Physics (Electricity)
	Apparatus	Apparatus
	Anatomy and Physiology	Anatomy and Physiology
	Practical work	Practical work
	Radiography (theory and practice)	Therapy (Theory and practice)
Second Year	Some knowledge of therapy (3? months in therapy dept.)	Some knowledge of radiography (3? months in radiography)

The question of revising the curriculum was discussed at some length. It is realized that some changes will have to be made in the curriculum. Dr. Bouchard and Dr. Crawford agreed to undertake to revise the curriculum in regard to therapy. Dr. Gill and Dr. Petrie agreed to revise the curriculum in regard to radiography. It may be desirable to have the cur-

riculum separated into two sections. An effort will be made to have these recommendations ready for the C.S.R.T. meeting in Montreal in September. Before the meeting was adjourned the matter of providing adequate training was discussed. As everyone knows this question is very difficult and has not been solved satisfactorily in either the United States or Canada except perhaps in a limited number of centres. It is felt that this question deserves further intensive study and that one of the important factors may lie in securing more aid and facilities from hospitals, in some such manner as the problems of nursing education have been assumed by hospitals. Much may be done in some places at least by various hospitals uniting their efforts. Dr. Crawford and Dr. Gill agreed to prepare for us in this respect a summary of what has been done in Montreal. Your committee believes that much has been accomplished in this past year but unquestionably much work has yet to be done.

Your Chairman wishes to express his deep appreciation of the excellent co-operation given by the various members of the Committee. It is a matter of regret that distance prohibited more free communication across Canada and that some of the work has had to be done by a local group. However, a sincere effort has been made to consider carefully the ideas and requirements across Canada.

—E. A. PETRIE, M.D., Co-ordinator, Committee on Technical Training, C.S.R.T. Committee on Technicians C.A.R.

Résumé du rapport conjoint présenté par le Président de la Commission des Techniciens en Rayons-X. Association Canadienne des Radiologistes et par le Délégue de l'Association Canadienne des Radiologistes au Conseil des Directeurs de la Société Canadienne des Technicians en Rayons-X. (Dr Petrie et Dr Gill).

La Société Canadienne des Techniciens en Rayons-X a tenu son assemblée annuelle, à Montréal, en septembre 1955.

La question d'émettre des certificats de compétence en technique radiodiagnostique et radiothérapeutique a fait un progrès bien défini.

Le Dr Gill a présenté le rapport préparé par le Dr Petrie et les membres des deux Commissions des Techniciens (C.A.R. et C.S.R.T.).

Ce rapport a été d'abord étudié par le Conseil des Directeurs de la Société Canadienne des Techniciens en Rayons-X et soumis, le lendemain, à l'Assemblée Générale des membres pour être approuvé:

1. A compter du ler janvier 1958, il y aura trois catégories de Techniciens, à savoir:
   (a) Technicien Enregistré, Radiographie, RT (R)—dont l'entrainement se fera sensiblement comme à présent.
   (b) Technicien Enregistré, Thérapie, RT (T)—Ce groupe devra suivre une année d'entrainement de base (commune aux deux catégories) et une année d'entrainement spécial en thérapie.
   (c) Technicien Enregistré, Radiographie et Thérapie, RT (R&T)—Ce groupe devra suivre un cours de trois ans; une année de base, une année de thérapie. Le curriculum et les examens seront modifiés en conséquence.
2. Une longue discussion a eu lieu au sujet des droits et des status de ceux qui ont déjà suivi leur entrainement et de ceux qui sont actuellement en étude.

Il fut adopté que:
Tous les techniciens porteurs du titre de Technicien Enregistré (RT) tel que reconnu par le C.S.R.T., devront être considérés comme certifiés et en radiographie et en thérapie.

Pour la certification en thérapie:

(a) Tout technicien faisant de la thérapie depuis au moins 5 ans devra soumettre un exposé de son entrainement avec une recommendation de son chef radiologiste. Si de l'opinion du Bureau des Examinateurs, son entrainement et son expérience sont

jugés suffisants, ce technicien pourra être certifié en thérapie sans examen. Personne ne pourra se prévaloir de cette clause après le ler janvier 1958.

(b) Ceux qui auront travaillé comme techniciens en thérapie pour au moins 3 ans, mais moins que 5 ans, au ler janvier 1958, devront établir que leur entrainement et leur expérience ont été suffisants. Si de l'opinion du Bureau des Examinateurs, leur entrainement et leur expérience sont jugés adéquats, ce technicien pourra être éligible à passer les examens du C.S.R.T. en thérapie. On recommande cependant aux candidats de cette catégorie de suivre des cours sur les techniques thérapeutiques, sur la physique, sur la radiobiologie, etc.

(c) Ceux qui auront deux ans d'expérience, mais moins que 3, au ler janvier 1958, devront suivre un entrainement supplémentaire de 1 année avant d'être éligible à passer les examens.

3. Le Bureau des Examinateurs, C.S.R.T., devra en conséquence modifier le mode de questions d'examens et les certificats à être émis.
4. Une grande publicité devra être faite et les opinions des groupes provinciaux devront être données avant le ler juillet 1956.
5. Les secrétaires des Provinces devront être avisés que les membres étudiants acceptés pour l'entrainement après le ler janvier 1957, devront se conformer aux nouveaux règlements entrant en vigueur le ler janvier 1958.

La Commission conjointe croit que beaucoup de travail a été fait en cette dernière année vers l'obtention de ce but, mais elle réalise sans aucun doute que tout n'est pas terminé. Elle appréciera de receivoir les commentaires sur cette importante question.

REPORT OF THE REGISTRAR

This year 228 certificates have been issued and of this number 8 were for technicians joining the Society through the Recriprocal agreements. Certificates for 26 Technicians under the age of twenty-one are being held at the Registrar's office. A Purchase Authorization Form was issued with each certificate.

Upon payment of arrears in fees, several technicians have been re-instated into membership. There have been fewer resignations this year but an increase in the number of non-active memberships is noted. Thirty-six transfers of memberships have been reported to the Registrar and several of the members have migrated to the United States and Britain.

Several of the Secretaries of the Member Societies reported the names of members in arrears for fees and while registered letters were sent to these delinquents the results were almost nil due to incorrect addresses in many instances.

Last year 817 Ordinary members had paid fees by the deadline date as compared to 796 this year. The total of paid-up memberships for 1954 was 860.

The paid-up members for 1955 from each Province are as follows:

	Ordinary	Non-active	Associate	Radiologist
Alberta	67	2	3	1
British Columbia	103	12	3	
Manitoba	83	12		
New Brunswick	43	6	4	3
Newfoundland	14	1	3	
Nova Scotia	34	2		
Ontario	230	15	6	
Quebec	133	20	3	1
Saskatchewan	86	1		
Non-Provincial	11			
Total	804	71	21	5

Membership cards were issued to all members and also currently dated seals to the Ordinary members.

I would like to express a word of thanks to the Member-Society Secretaries for the prompt way in which the membership lists and fees were submitted this year. Without such co-operation the tasks of this office would be greatly increased.

Respectfully submitted.

—(Mrs.) CATHERINE COULSON,
Registrar.

REPORT OF THE RESOLUTIONS COMMITTEE

Only two resolutions were received by this committee for consideration. This in comparison with nine received last year.

Although the resolutions received were few in number, the task of the committee was not correspondingly light. These resolutions required much consideration. Assistance was sought and received from the Committee on Law, the Registrar and the Secretary of the C.S.R.T.

After much consideration and correspondence with the Committee on Law, one resolution was returned to the sponsor for re-drafting.

Because of the nature of the resolutions, close contact was maintained with the Committee on Law.

This committee wishes to commend the sponsors for showing their interest in the welfare of the C.S.R.T. by their submission of these resolutions. Also we wish to thank the Committee on Law, the Registrar and the Secretary, C.S.R.T., for their comments and advice.

The suggestions and comments contained in the 1954 report of the Resolutions Committee must have had their effect for nearly all correspondence was in good time and the resolutions were well drafted.

I wish to express my sincere thanks and appreciation to my colleague, Mr. David C. Sage, R.T., for his kind and able assistance during the past year.

Respectfully submitted.

—J. C. SAUNDERS, R.T.,
Chairman.

REPORT OF COMMITTEE ON LAW

The first item of business which faced the Committee on Law after the 1954 Annual Meeting appears in the Minutes of that meeting as follows:—

"Moved by Mr. Doern, seconded by Dr. Petrie—that all rules and regulations be brought up-to-date and published in such form that they may be incorporated in the new constitution and by-laws when it is printed and distributed to all members."

Was it really the intention of the meeting to incorporate the whole of the rules and regulations in the by-laws as this wording of the motion seems to imply?

To do so would make the By-laws exceedingly lengthy. Your committee has always considered that the rules and regulations are intended as a reference and guide in the management of the affairs of the Society and that they should be readily subject to change to meet changing conditions.

We agree that the rules should be published for the information of the members and that the appropriate place to publish them is along with the Constitution and By-laws as a supplement.

We therefore recommend that the above motion should be amended to:

—"that all rules and regulations be brought up-to-date in such form that they may be published as a supplement to the new Constitution and By-laws when these are printed and distributed to all members."

In bringing the rules up-to-date, it was found necessary to re-write some sections in order to incorporate changes logically. Some recommendations for further changes and additions have also been drafted—the principal one being to list the duties of the Registrar.

Also, after consultation with the Registrar and the Secretary, C.S.R.T., an outline of the responsibilities of Provincial Secretaries has been prepared to be a guide to them in their duties toward the C.S.R.T.

There has been some further discussion concerning the new By-laws and it is hoped that this work will be completed at a meeting with the Honorary Solicitor, Mr. Curran, this week.

The files of the Committee on Law are becoming rather bulky, consisting as they do, of correspondence dating back to 1948. The only part of this which is of current interest is that dating from September, 1952 when discussion of the new By-laws began. The committee therefore asks for permission to destroy all prior correspondence. A file of the committee reports and recommendations will be retained for the Chairman.

In conclusion, I would like to thank the Secretary, Mrs. E. I. Hood, for her co-operation in supplying any data needed for the work of this committee and also Mrs. Mary Cameron for her prompt support in carrying out its duties.

Respectfully submitted.

—MARY McMILLAN, R.T.,
Chairman, Committee on Law,
C.S.R.T.

REPORT ON THE FOCAL SPOT

This report covers the four issues from No. 3, 1954, to No. 2, 1955. For the sake of brevity these comparative periods will be referred to as 1954 and 1955.

The number of pages per issue (exclusive of covers) averaged sixty, compared with an average of fifty-six last year. Issue No. 2 of this year (1955) with 72 pages is, I believe, the largest issue we have produced to date. This was due to the inclusion of a self-contained Registry.

Twenty-two articles were published compared with eighteen last year and the pages occupied by articles was 83 against 78½ in '54.

Seventy-two pages were devoted to C.S.R.T. material including the Registry. Deducting 20 pages for the Registry, 52 pages are left for C.S.R.T. news compared with 44 in 1954. The '54 Registry took 14½ pages and the '55 Registry 15 pages in actual names, the remaining 5 pages being lists of officers and the cover.

Provincial News occupied 43½ pages in '55 and 39½ in '54. However this is still below the 47 pages of 1953, which suggests that some reports are being missed by the Provincial Sub-Editors. May we suggest to sub-editors and secretaries that as soon as a meeting takes place they write it up and send in the report to the editor without waiting for a deadline card. Also if the sub-editor is not able to be present at a meeting it is still his or her responsibility to obtain an account from someone who was. We should also point out that annual meetings of the provincial societies are important events and should not be written up in too brief a manner. Presidents and Secretaries of Provincial societies should make sure their annual meetings are adequately recorded in *The Focal Spot*. This is usually the case but the editor has noticed a few accounts of annual meetings which are so sketchy he is ashamed to print them, but by that time the pot is boiling so briskly there is no time to wait for better ones.

In compiling the comparative figures of the number of issues printed we notice that a misprint crept into the '54 *Focal Spot* Report. This gave a total printing of 7,960 when it should have been 6,600. Our printing has again increased during the past year with 7,335 printed in the 1955 period compared with 6,600 in the 1954 period, an increase of 735 or about 10%.

In the 1954 period we printed 48 pages of advertisements (15 color, 33 black and white). In the 1955 period we increased by ten to 58 pages of ads (17 color, 41 black and white). Our Business Manager is working on several more contacts which we hope to be able to include in next year's report.

At the request of the C.S.R.T. Directors the 1955 Registry was placed in the middle of the No. 2 issue to facilitate removal as a unit if so desired. The editor added a cover to give a better finish to the separate Registry and the whole unit seems a definite improvement and should certainly be useful for outside use. A small number of copies of the Registry apart from the magazine was run off and can be obtained on application to the editor.

Starting with the 1954 No. 4 issue two pages instead of one were devoted to the lists of officers of the society, thus enabling us to list all the various C.S.R.T. committees, in addition to C.S.R.T. and Provincial officers. May we take this opportunity of asking Provincial Secretaries to notify the editor as soon as changes in officers take place. Often the only notification the editor receives is by noticing changes mentioned in provincial news reports.

At the 1954 Annual Meeting the Board of Examiners generously offered three prizes of $25, $15 and $10 for the three best papers on "Protection," open to both R.T.'s and Students. Only a few papers have so far been received. We trust more will be submitted before the competition closes on December 15th, 1955. The annual *Focal Spot* Award, also donated by the Examining Board, was made in January, 1955, to an R.T. and a Student Member for articles appearing in *The Focal Spot*, together with a third prize given by *The Focal Spot* Directors to a writer ineligible for the other two Awards.

The one regret felt by the Editor while preparing this report is the Gordian knot of trying to get the Journal out on time. With each issue we work intensively to prepare the material and have the layout and dummy finished on time, only to experience long delays in completing the advertising copy, usually from only three or four agencies but enough to hold it up. Our Business Manager spends hours in trying to get things moving, using many long distance calls and telegrams, but delays seem inevitable with advertising copy changing in each issue. We are still trying desperately to find some way out of this difficulty.

In conclusion may I express my appreciation of the co-operation of all who have helped make our Journal a success, including those advertisers whose copy IS in on time.

Respectfully submitted.

—L. J. CARTWRIGHT, R.T.,
Editor and Chairman, Board of Directors, *The Focal Spot*.

ONTARIO SOCIETY OF RADIOGRAPHERS

PLACEMENT BUREAU
MR. JOHN COLLINS, R.T.
McKinnon Industries
St. Catharines, Ont.
Radiologists and Technicians are invited to use this service.

20th ANNUAL CONVENTION

Friday, October 7th, saw the opening of the 20th Annual Convention of the Ontario Society at the Royal Connaught Hotel, Hamilton. Two Refresher Courses at 8.30 a.m. were the first items on a full two-day programme. One was "Radiography of the Skull" given by Mr. L. A. Staniszewski, R.T., Sunnybrook Hospital. The other was on "The Basic Principles of Radiation Safety" and was delivered by Mr. Ray Fujimoto, B.Sc., R.T., who is particularly well qualified to speak on this subject, having recently returned from a course at New York University.

The Technical Session got under way at 10.15 a.m. under the chairmanship of Mr. L. J. Cartwright, the first paper being "Student Training" by Sister E. MacPherson, Hotel Dieu Hospital, Kingston. This thought-provoking talk was ably supplemented by a discussion led by Miss Ada Geldhart, of the Ottawa Civic Hospital.

The next paper, "Practical Considerations in Oral Gall Bladder Radiography," was a novelty in its presentation as it had been prepared by a group of Lakehead Section members and then recorded for delivery at the Convention. It was accompanied by lantern slides and brought out many points of value in this work.

"Filters in Radiography," the paper which won Mrs. M. F. Cameron the Welch Memorial Plaque at the recent C.S.R.T. Convention in Montreal, aroused a great deal of interest and animated discussion and was fully illustrated by a large number of radiographs shown by Mrs. Cameron as well as the compensating filters themselves.

The final paper of the morning session was "Protection" by Miss Marilyn Priest of Brantford General Hospital and was well prepared and well delivered. It should prove an incentive to other students to prepare papers for presentation at our meetings. Brantford General Hospital was represented by three papers during the convention, two of them by students and one by Mr. Leslie Fox, senior technician. Mr. Fox should be congratulated upon his success in transmitting his energy to his staff.

At 12.45 the Rev. Arthur Organ, Ryerson United Church, Hamilton, delivered the Invocation and Grace for the Official Luncheon. The Mayor of Hamilton, His Worship Mayor Lloyd D. Jackson, welcomed us to his city, while the U.S. Army Band, which was on a visit to Hamilton, played outside in Gore Park. After an excellent luncheon the M.C., Mr. Alex Yuskiw, introduced Dr. F. Batley, Radiotherapist at Hamilton General Hospital, who gave us an unusually interesting talk on "His Majesty's Church to the Mohawks," which was built on a personal grant of money by George III to Brant, the Indian Chief.

The afternoon technical session, under the chairmanship of Miss Ernestine Chiasson, started with a paper on Angiocardiograms by Sister Ann Patrice, St. Joseph's Hospital, London, illustrated with helpful diagrams and radiographs. Next Mr. Eric Walker of Philips Industries gave a talk on Cineradiography using the new electron-accelerated fluoroscope and followed his introduction with some very interesting cineradiographs. Miss Gertrude Currie, Ontario Hospital, Woodstock, gave a sympathetic and sometimes humorous account of Radiography in a Psychiatric Hospital. The afternoon concluded with a talk by Dr. C. G. Hurley, Radiologist at Hamilton General Hospital, the title of which was "Preparation of Patients." However Dr. Hurley is such a natural humorist that this developed into a most amusing chat guaranteed to keep the most somnolent late-afternoon listener wide awake and chuckling.

In the evening two movies were shown by the courtesy of International Harvesters. One on safe driving and the traffic court episodes which follow traffic infringements and the other picturing the tremendous natural obstacles overcome by modern machinery in the Aluminum Company of Canada, Kitimat, B.C., development. We were then favored by an unusually mystifying display of conjuring by Mr. Gordon Precious, a clever magician who in spite of his youth has toured a large part of the earth with his magic act.

Saturday, October 8th

On Saturday, sharp on the dot of 8.30 a.m. the doors again closed on two groups of eager technicians who had come for the last half of their Refresher Courses. Forty-four attended the two courses, this number being a little less than half the one hundred and fifteen registered at the convention. Ray Fujimoto and Lou Staniszewski are to be commended highly for the excellent material they had prepared

During the morning sessions Brantford General Hospital was strongly represented with two excellent papers. One, by Miss Frances Sohocki, a Student Member, dealt with a subject of more than ordinary interest—"Routine Tomograms on I.V.P. Examinations." The other, by our old friend Les Fox, dealt thoroughly with the subject of "Intravenous Cholecystograms." Dr. R. L. Empey, of the Hamilton Mountain Sanatorium, gave a very excellent paper and demonstrations on Bronchograms. This talk stirred much enthusiasm and will undoubtedly change bronchogram procedures in many x-ray departments.

At the Business Meeting the President, Mr. Bill Burns, called upon Mr. Burton McBride to report on his investigations concerning a proposed permanent Secretary for the O.S.R. Mr. McBride read excerpts of letters from various sections dealing with this matter and the feeling was in favor of such a move. The matter was discussed at length by the members present and eventually Mr. McBride was asked to bring in full details as to costs before further action was taken. This will be presented at the next Annual Meeting at London in the Spring. Another subject which occasioned much debate was the subject of Fellowship qualifications in the Ontario Society.

On Saturday afternoon two papers were given. Mr. John Flanagan, of the Ferranti Electric Co., spoke on "Recent Technical Developments in X-Ray Equipment," and Mr. E. J. Bishop, of the Ontario Veterinary College, Guelph, spoke on "The Challenge of Veterinary Radiography." Both papers were excellent, the latter having been given at the recent C.S.R.T. Convention at Montreal. The afternoon session concluded with "Stump the Experts." X-ray films with various types of artefacts had been sent in to be shown to a panel of experts in the hope of stumping them for an answer. Interest ran high for a good half-hour and the ingenuity of the experts was tested to the limit. Dr. O. Green, Ralph Davidson (General Electric), Ross McLeary (Ilford-Booth) and Andy Anderson (Ferranti Electric), picked out two films sent in by Betty Boocock and Hart Giffin as the two which gave them the hardest tim

From 6 to 7 p.m. the members of the O.S.R. were guests of the Hamilton radiologists at a delightful cocktail party. The scene then shifted to the Sheraton Room where everyone thoroughly enjoyed a sumptuous repast and after-dinner speeches. Dr. C. W. Gillen, the chief guest speaker of the evening, spoke on "The Importance of Film Marking in Radiography." The first prize for film exhibits was presented to Mr. Frank Weale of Hamilton, for his exhibit of "Multi-Sectograms." What was, perhaps, our most successful dance followed, to the tunes of Chris Lovett and his orchestra. Andy Douglas was one reason why we had so much fun as he kept everyone on the floor, mixing the dances and getting everybody into the swing.

Mr. Art King, Chairman of the 1956 O.S.R. Convention, announced that meetings had already been held by his committee to map out plans for a bang-up meeting in London for '56. The Annual Business Meeting and Convention will be combined next year and the date has been set for the week-end preceding the 24th of May. —DAVE SAGE, R.T.

CENTRAL SECTION

The first meeting of the Central Section of the O.S.R. was held at St. Joseph's Hospital, Toronto, on September 30th. Perhaps it was a little early in the season, but whatever the reason the turnout was only about half the number we have been getting recently, about 48 members assembling for a very excellent programme. Dr. Roy, Radiologist at St. Joseph's, welcomed the gathering and spoke on new advances in equipment. Miss Joan Merlin, Student Technician at the host hospital, gave an excellent paper on "A.P. Views of the Ankle." Mr. Fred Drury, Chief Technician at St. Joseph's, related his experiences with Superficial Therapy in England.

Door prizes were won by Miss Dabchuk and our Past President, Mr. David Sage. Elections were held and Miss Betty Boocock, 2 Young St., Hamilton, was elected Chairman for the Central Section and representative for the Section on the Executive. Miss Nelda Morrow, Wellesley Hospital, Toronto, was elected Sectional Secretary.

NORTHERN SECTION

A meeting was held at Sudbury General Hospital September 24th. Mr. Earl Paquette presented an excellent paper on the Cervical region.

Mr. Herb Kruger's subject, The Accident Case, proved of great interest with his description of the types of case encountered, their treatment and the final result. Mr. Bernard Griffin, our new chairman, announced that plans had been completed for the next meeting on November 19th at St. Joseph's Hospital, North Bay.

—NOREEN LAWLESS, R.T.,
Secretary-Treasurer, Northern Section.

LAKEHEAD SECTION

The first meeting of the Lakehead Section, following the summer adjournment, was held at McKellar General Hospital, Fort William, on Wednesday, Sept. 14th. A very good turnout of members were present for this initial meeting of the Fall season. Mrs. T. Glynn, Sectional Chairman, presided over the business portion of the meeting in which the members were brought up to date as to what had transpired over the summer holiday period. Miss E. Brown, Sectional Secretary, read a letter of reply from the Lakehead Hospital Council in which they expressed their best wishes for success in our undertakings and activities, but regretted that as a body they were unable to assist us in financial way. Mr. Gore advised that the paper from this Section for presentation at the O.S.R. Convention in Hamilton had been completed and forwarded on to the Chairman of the Programme Committee for the Convention. In thanking those members who had assisted in the preparation of this paper he expressed regret that we were financially unable to send a representative to deliver it but hoped that another year might see the group in better financial circumstances. Considerable discussion then ensued regarding future meetings of the Section and plans for the season ahead. It was finally decided that in future our meetings would be held every second month rather than monthly as in the past. In this manner it was hoped to enlarge our programmes in respect to speakers and papers. The Annual Christmas Social of this Section was the next item for discussion and several members were appointed to look into this question, particularly in respect to obtaining suitable accommodation for it. A report of their findings is to be submitted to the November meeting. Mr. Gustav Strand, R.T., Chief Technician of the host hospital, then presented two enjoyable and colorful movies of general interest to all. The members then adjourned to the hospital cafeteria where a delicious luncheon and round-table discussion rounded out the balance of the evening.

We are pleased to welcome a new Student Member into our group in the person of Miss Barbara Law of the Port Arthur General Hospital.

We wish to extend our facilitations and very best wishes to Miss Enid Wilson of McKellar Hospital, whose marriage takes place on October 29th.

Sectional Correspondent.
—R. E. GORE, R.T.,

QUEBEC SOCIETY OF X-RAY TECHNICIANS

A general meeting of the Quebec Society was held on October 15th at Queen Mary Veterans' Hospital. Dr. Henri Charette, radiologist of that hospital, welcomed us, and was also our guest speaker. He spoke on "Arthrography," giving his lecture in French and English and switching from one language to the other so easily that it was a delight to listen. He showed some excellent films by way of illustration. Miss Claire Belanger thanked Dr. Charette.

A business meeting was held afterwards and our President, Mr. Don Fisk, gave a report of the recent convention held here. Mr. A. Cheffins gave his report as Past-President of the C.S.R.T. He also congratulated Mr. Gordon Greenfield and his committee for the convention planning and the successful way it had been carried out. It is felt that it was a success in every way, even financially.

Mr. E. Wadey, of United Electric X-Ray Co., announced that at the end of the year his company would donate a prize for attendance at the meetings held during the year.

Our new President has several very interesting ideas to help stimulate attendance, so we are looking forward to a bigger and better year.

There are forty-four X-Ray Departments represented in our Quebec Society and this year a short report of each general meeting will be sent to each department, so that members will be kept in touch with happenings.

A delicious tea was served after the meeting and we left feeling that we were off to a good start.

—E. BOA, R.T.
Sub-Editor.

LA SOCIETE DES TECHNICIANS EN R.X. DE LA PROVINCE DE QUEBEC

Ler septembre: Les vacances sont terminées . . . c'est le retour au travail! et nous savons par expérience que les occupations des "bons travailleurs" sonts grandes, nombreuses, tout comme les succès qui en sont la récompense. Nous songeons aux unes et aux autres avec l'ardeur du fidêle ouvrier qu'excède la tâche à accomplir.

7-8-9-10 sept.: Congrès national de la C.S.R.T. —Evidemment, nous en sommes à une ère de Congrès! Partout, il y a tendance à la coordination des forces, et notre groupe ethnique se devait d'utiliser au maximum, la puissance que constitue le déploiement d'un Congrès.

MARDI SOIR, le 6.—Conviés au Palais Cardinalice, nous répondons nombreux à la Croisade du Chapelet, présidée par l'illustre Cardinal Paul-Emile Léger. Ce rendez-vous a donc ouvert avec majesté le Congrès où se trouvaient réunies tant d'âmes sincères et dévouées.

A 8h.oo p.m., à l'Hotel Windsor a lieu l'inscription des Congressistes; tous se recontrent dans une atmosphère de grande cordialité et de visible intérêt.

L'assistance aux cours fut des plus enthousiasmantes. Les professeurs ont développé des sujets d'étude, et ils l'ont fait avec beaucoup d'onction et de clarté. Hommage reconnaissant à tous les distingués conférenciers invités.

MERCREDI, le 7.—Un pèle rinage organisé pour les Religieuses, nous dirige à l'Oratoire Saint-Joseph. Glorifier et remercier le Protecteur de l'Eglise universelle, n'était-ce pas s'assurer d'innombrables faveurs pour l'avenir?

La Maison Philipps Ind. a gracieusement offert le souper à toutes les religieuses présentes. Ces donateurs généreux ont été remerciés avec une gratitude sincère.
souvenir des plus heureux.

Un certain groupe s'est ensuite rendu à l'Aréoport de Dorval, tandis que les autres prenaient la direction de Ste-Anne-de-Bellevue. Dans l'une et l'autre des excursions, des attractions diverses ont plu aux invités partout fort bien acceuillis.

Le Salut et la Bénédiction du Très St-Sacrement, dans la basilique ont terminé cette halte reposante. Tous les participants en gardent un

JEUDI, le 8.—Ce jour a été désigné pour la visite des divers hôpitaux de la Métropole.

SAMEDI, le 9.—Dans l'après-midi, randonnée à Ste-Agathe-des-Monts, voyage s'effectuant en un jour splendide. Nous avons été chaleureusement reçus par les Autorités du Sanatorium. Rien ne saurait mieux accentuer l'attitude hospitalière que cette aimable et intéressante visite. Aussi, quel souvenir nous garderons de notre court passage à cette Institution!

Un goûter délicieusement servi a été offert, terminant dans une joyeuse réunion, cette journée congressiste.

AU COURS DU CONGRES: Manifestations sincères — cordialité évidente — excursions heureuses, conférences choisies, applaudies; le tout a contributé a réaliser un véritable succès. Les congrès 1955 demeurera dans nos plus chers souvenirs.

15 octobre 1955. ASSEMBLEE GENERALE.—Sous la présidence de M. D. Fisk, a lieu l'assemblée générale tenue en l'Hôpital Reine-Marie (des Vétérans).

Le docteur Henri Charette est le conférencier invité. Le sujet pratique, intéressant, fort lumineux, a porté sur l'Arthrographie.

Monsieur le Président a signalé que les assemblées sont intéressantes; il a cependant exprimé le regret de constater le nombre trop restreint d'auditeurs. Sur quarantâe-quatre hôpitaux, il faudrait au moins la présence de deux Techniciennes par Institution représentée.

M. L. Wadey a suggéré de donner un prix de présence d'une valeur plus grande que celle du prix offert déjà, et d'en faire bénéficier plus spécialement ceux et celles uni auront plus de présences à leur crédit, à la fin de l'année.

Il a été suggéré aussi qu'un débat ait lieu lors de la prochaine assemblée; le sujet à l'étude: les écrans renforceurs et les "no-screen" seront présentés par une conférence de langue française et par une de langue anglaise.

Un jury composé de trois membres, décidera le résultat final destiné aux concurrentes.

L'Assemblee tenue dans une ambiance cordiale et très intéressante, s'est terminée par un rendez-vous au Cafétéria où fut servi gracieusement le goûter offert par les Autorités de l'hôpital que nous remercions avec une respectueuse gratitude.

—SOEUR MARIE DE LA SAINT-FAMILLE, I.L. Tech. R.X.,
Rédactrice adjointe.

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